



KARL L. KEITH
MONTGOMERY COUNTY AUDITOR

451 WEST THIRD STREET • P.O. BOX 972 • DAYTON, OH 45422

March 3, 2010

Mr. Willis Blackshear, Chair
Automatic Data Processing Board
451 West Third Street
Dayton, OH 45422

Dear Mr. Blackshear:

An Automatic Data Processing Board meeting has been scheduled for **Wednesday, March 10, 2010 at 9:00 a.m. in the 6th floor Data Processing Training/Conference Room.** The agenda will be as follows with supporting documentation attached.

- (1) Minutes from the February 10, 2010 meeting
- (2) Data Processing - Purchase of SAN (Storage Area Network) Replacement (\$260,010.00)

Sincerely,

KARL L. KEITH, Secretary
Automatic Data Processing Board

KLK/bru

Attachments

Cc: ADP Board Members
James Alford, Data Processing Director
Debbie Andrews, Records Manager
Paul Robinson, Chief Deputy Treasurer
James Drubert, Common Pleas Court Administrator
Tim Nolan, OMB
John Cumming, Assistant Prosecuting Attorney
Bill Engel, Data Processing
Steve Glardon, Data Processing
Ellis Shockley, Data Processing
Roy Sigritz, Administrative Services
Mike Spirk, Telecommunications

Mr. Blackshear

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Cc: Vicky Brady, Domestic Relations Court
Rhonda Tutt, Domestic Relations Court
Michael J. Howley, Domestic Relations Court
Shawn Waldman, Sheriff's Office
Debra Harden, Recorder's Office
Linzie Oliver, Clerk of Courts' Office
Matt Hilliard, Water Services-IT Dept.
Angela Coe, OMB
Emily Jackson, Commissioner Dodge's Office
News Media

AUTOMATIC DATA PROCESSING BOARD MEETING

February 10, 2010

PRESENT: Willis Blackshear, Chair
Gregory Brush, Vice-Chair
Karl Keith, Secretary
Judy Dodge, Member
Shawn Waldman for Sheriff Phil Plummer, Member
Carolyn Rice, Member
Steve Harsman, Member
Betty Smith, Member
Dr. James Davis, Member
Jim Drubert for Judge Barbara Gorman, Member
Roy Sigritz, Central Services
Rob Steck, Sheriff's Office
Tim Nolan, OMB
James Alford, Data Processing
Bill Engel, Data Processing
Steve Glardon, Data Processing
Ellis Shockley, Data Processing
Betty Upshaw, Data Processing Administrative Assistant

The Chair, Willis Blackshear, called the February 10, 2010 Automatic Data Processing Board meeting to order. (A copy of the agenda is attached hereto for reference.)

Agenda item number one was the approval of the minutes from the January 11, 2010 meeting. Carolyn Rice made a motion for the approval of the minutes as presented. Motion seconded by Shawn Waldman. Motion carried unanimously.

The next item of business, (Agenda item number two) was a request from the Sheriff's Office which sought the Board's approval for the Sheriff's Office to enter into an agreement with Tiburon, Inc. for the development of a Message Switch at a cost of \$80,288.00. Shawn Waldman explained to Board members this switch would be used between the City of Dayton and the Regional Dispatch Center. Mr. Waldman informed the Board the funds would come from the City of Dayton through a transfer to the Sheriff's Office. The Sheriff's Office would pay Tiburon. He explained an agreement directly between the City of Dayton and Tiburon could not be worked out due to the master agreement with the Sheriff's Office that was in place since 1998. Mr. Waldman advised members an inter-governmental agreement between the City and County for this work, which is an add-on to the current Tiburon agreement already in place, was approved by the Board of County Commissioners. The function and use of the message switch was thoroughly explained to Board members by Mr. Waldman. Following further discussion, Greg Brush moved to approve the request. The motion was seconded by Carolyn Rice and carried unanimously.

ADP BOARD MEETING

February 10, 2010

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Before moving on the third agenda item, Mr. Blackshear welcomed Commissioner Judy Dodge back to the Board. He said Ms. Dodge would be representing the County Commission this year.

The third agenda item was discussion about the list of technology related recommendations pulled from the General Fund Five Year Financial Plan report presented by the subcommittee as promised at last month's meeting. Karl Keith and Carolyn Rice distributed information. Carolyn Rice encouraged members to read the more detailed recommendations which are in the report that is available online on the County's website. Karl Keith presented a survey of the committee members that was done by the taskforce prioritizing what recommendations should be addressed first. Willis Blackshear asked if there were any recommendations that did not require statutory changes in the law. Both Mr. Keith and Ms. Rice said there were several that did not require law changes although there were a number of recommendations in the full report that did require statutory changes. Following further discussion, Karl Keith noted that some work had already been started on addressing some of the recommendations and some recommendations had already been put in place such as the cell phone policy. Mr. Keith suggested, as a next step, they go through the list and identify the work in progress, what has been completed, and what cannot be done. Carolyn Rice reminded Board members the taskforce would be coming back to the County yearly to see what had been accomplished. Ms. Rice suggested that if a recommendation cannot be accomplished, then a supporting explanation of why it could not be done be given to the taskforce. There was discussion about some of the individual recommendations on the list such as centralizing services and outsourcing services. One in particular was the one about outsourcing the payroll system. Mr. Alford asked Tim Nolan if an ROI analysis had been done as suggested in the report to determine whether the purchase of a system or an outsource arrangement of payroll services would be most cost effective. Mr. Nolan pointed out recommendation number 20 said where "appropriate" and "cost effective". He gave an example of the outsourcing of the snow removal by the BCC. He explained this service used to be done by the Parks Department which is being phased out. After this discussion, Karl Keith volunteered to head up a group to identify what recommendations in the Data Processing area of the report had been already been addressed and the work in progress. He would report back to the Board on his findings. There was thorough discussion about the how the financial taskforce came up with their recommendations and the reasons behind some of the recommendations. After this discussion, Karl promised to report back on his findings and asked for assistance from some members in this task.

ADP BOARD MEETING

February 10, 2010

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In other business, Greg Brush thanked Data Processing for their help with his case management level database which went down the day before this meeting. Mr. Brush said they have already ordered the things to make it easier for both the Clerk's Office and DP. Also, Jim Drubert report the e-filing system with the Clerk and the Courts is working great with civil cases. Mr. Drubert said they have all the judges on the system, and the judges are adjusting to the system fine. He stated, however, there was a little difficulty out there in the legal community adjusting, but they were handling it.

There being no further business, the meeting was adjourned. The next meeting is scheduled for March 10, 2010.

Respectfully submitted,



KARL L. KEITH, Secretary
Automatic Data Processing Board

KLK/bru

Attachment



FILE COPY

KARL L. KEITH
MONTGOMERY COUNTY AUDITOR

451 WEST THIRD STREET • P.O. Box 972 • DAYTON, OH 45422

February 4, 2010

Mr. Willis Blackshear, Chair
Automatic Data Processing Board
451 West Third Street
Dayton, OH 45422

Dear Mr. Blackshear:

An Automatic Data Processing Board meeting has been scheduled for **Wednesday, February 10, 2010 at 9:00 a.m. in the 6th floor Data Processing Training/Conference Room.** The agenda will be as follows with supporting documentation attached.

- (1) Minutes from the January 11, 2010 meeting
- (2) Sheriff's Office - Agreement with Tiburon, Inc. for development of a Message Switch (\$80,288.00)
- (3) Subcommittee Report (Carolyn Rice and Karl Keith) - Data Processing recommendations in Five-Year General Fund Financial Planning Committee's report

Sincerely,

KARL L. KEITH, Secretary
Automatic Data Processing Board

KLK/bru

Attachments

Cc: ADP Board Members
James Alford, Data Processing Director
Debbie Andrews, Records Manager
Paul Robinson, Chief Deputy Treasurer
James Drubert, Common Pleas Court Administrator
Tim Nolan, OMB
John Cumming, Assistant Prosecuting Attorney
Bill Engel, Data Processing

Mr. Blackshear
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Cc: Steve Glardon, Data Processing
Ellis Shockley, Data Processing
Roy Sigritz, Administrative Services
Mike Spirk, Telecommunications
Vicky Brady, Domestic Relations Court
Rhonda Tutt, Domestic Relations Court
Michael J. Howley, Domestic Relations Court
Shawn Waldman, Sheriff's Office
Debra Harden, Recorder's Office
Linzie Oliver, Clerk of Courts' Office
Matt Hilliard, Water Services-IT Dept.
Angela Coe, OMB
News Media

#2

MEMO

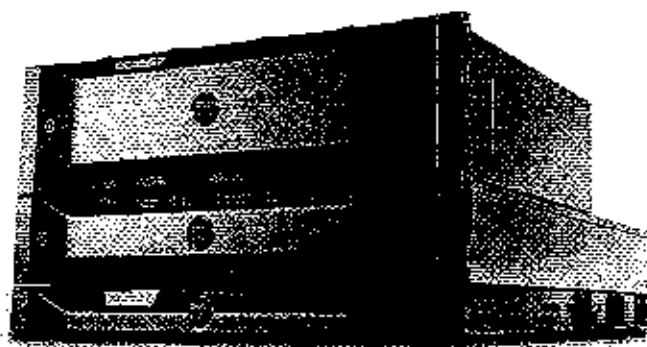
To: Karl Keith, Montgomery County Auditor
From: Ellis Shockley
CC: ADP Board Members
James Alford, Director of Data Processing
Date: March 3rd, 2010
Re: SAN Replacement

The Montgomery County Data Processing Department is requesting approval of the Automatic Data Processing Board to replace our existing SAN (Storage Area Network). The model chosen was a Dell / CX4-240. The total cost of this purchase will be \$260,010.00. This purchase will be made through Dell under state contract schedule number 534109.

Our existing SAN (Dell CX500) has been in place for over five years and the warranty will soon expire. Systems that are connected to the SAN are Performance, CLT, Courtview, Onbase, GIS, Veritas, and Justice Web.

The Dell / CX4-240 scored excellent marks in all five areas being performance, scalability, management tools, design and overall acquisition cost. Other various factors were taken into consideration, which were Dell's ability to maintain service levels and deliver overall solution at the best costs.

Funding for this purchase will come from the Montgomery County Data Processing budget.



Bringing a new level of performance, flexibility and resource utilization to enterprise-class storage

ENTERPRISE-CLASS STORAGE

Dell/EMC CX series storage arrays have built a reputation for performance, ease of use, scalability, flexibility, reliability, and investment protection since their initial launch in 2002. Now in their fourth generation, the CX4 arrays build on that reputation and are designed to greatly increase performance and capacity from the previous generation. The CX4 series provides impressive flexibility and investment protection with the introduction of new UltraFlex™ technology.

CX4-240

The Dell/EMC CX4-240 array provides a high-performance platform for your critical data that is highly available and highly flexible. The modularity offered with this highly scalable storage array helps protect your company's bottom line by allowing your storage infrastructure to scale to meet your needs today and tomorrow.

ULTRAFLEX TECHNOLOGY

The CX4 series introduces UltraFlex technology that enables the user to customize the network interconnect and number of ports needed to meet current and future storage requirements. The CX4-240 comes standard with either 8Gb/s or 4Gb/s Fibre Channel (FC) and 1Gb/s or 10Gb/s iSCSI connectivity. It can be easily expanded with additional FC or iSCSI ports, as well as new network technologies, as they become available.

MASSIVE SCALABILITY AND FLEXIBILITY

The CX4-240 connects to 240 hard drives, connects to as many as 512 highly available hosts in SAN, and has 8 UltraFlex I/O slots for connectivity customization. In addition, the CX4-240 supports enterprise flash drives (EFD). All Dell/EMC CX4 arrays offer data in-place upgrades, within the CX4 family and from previous generations, that support larger capacities and greater performance.

REDUCE OPERATIONAL COSTS

Virtual provisioning enables the CX4-240 to allocate space only as it is needed by hosts instead of setting up a large pool of storage that goes unused. The result is that fewer drives are required, helping to reduce hardware costs, management time and costs, and power consumption.

ENHANCED DATA TIERING

New innovations for data tiering are available with the CX4-240. These options are based on the support for EFD and energy-efficient SATA drives. On the CX4-240, flash drives can be used as a "Tier 0" for data with the highest performance requirements. Fibre Channel drives are available in both 15K and 7.2K rotational speeds as a Tier 1 for the next level of performance. 7.2K RPM SATA drives are available as a Tier 2 for high capacity and lower cost storage needs. Finally, 5.4K RPM SATA drives are available as a Tier 3.

HELP REDUCE POWER AND COOLING COSTS

Low-power SATA drives consume up to 32% less energy than standard 7.2K RPM SATA drives.* Flash drives, which consume up to 38% less energy than FC drives*, can often replace the need for large numbers of spinning drives thanks to their high performance capabilities. Drive spin down comes standard on the CX4, and enables you to easily set policies for the SATA drives in the array to power them down when not in use, helping to reduce power consumption and cooling requirements. Lastly, the array uses adaptive cooling where fans spin only as fast as needed to keep it cool.

MANAGE YOUR DATA

With Dell/EMC storage arrays, you can easily deploy, expand, and redeploy storage. You can migrate data seamlessly between different classes of drives and RAID types to deliver the optimal combination of performance and availability. And with Virtual LUN technology, data migration takes place dynamically and effortlessly, helping avoid disruption.

SOLVE YOUR PROBLEMS

Dell/EMC storage arrays are integrated into Dell's Exchange, SQL Server, and Oracle solutions, which offer tested and validated reference architectures to help solve your messaging and database challenges.

STORAGE CONSULTING FROM DELL

offer a comprehensive suite of assessment, design and implementation services to help customers get the most from their Dell/EMC CX arrays, covering data management, application performance, data protection and cost of ownership. Dell Consultants can provide practical action-oriented plans, to deliver specific, predictable and measured outcomes through high-impact, short duration projects.

FEATURES	Dell EMC CX4-240
Storage Capacity	Up to 144TB raw storage capacity with Fibre Channel drives Up to 294TB with high-capacity SATA drives
Scalability	Up to 240 drives in the storage array
Number of Storage Processors	2 per array
System Cache	8GB
RAID Levels	RAID 0, 1, 10, 3, 5, and 6
Supported Servers	All dual- and quad-socket Dell™ PowerEdge™ servers, Verity of Company, HP®, IBM®, and SUN® servers as validated by EMC
OS Support	Microsoft® Windows® 2000 Server, Windows Server™ 2003, Windows Server 2008, Linux®, Solaris™, VMware®, AIX, HP-UX
Number of Supported Hosts	Up to 8 FC and 4 iSCSI or 2 FC and 8 iSCSI directly connected HA hosts, Up to 312 SAN attached HA connected hosts
Front-End Connectivity (Ports Per Array)	Base Model: Four 4GB Fibre Channel and four 1GB iSCSI Four 4GB Fibre Channel and two 1GB iSCSI Four 3GB Fibre Channel and four 1GB iSCSI Additional Optional UltraFlex IO Modules: 4GB Fibre Channel 4GB Fibre Channel 1GB iSCSI 1GB iSCSI VM configuration depends on selected base model. Visit dell.com for details.
Drive Interface	4GB Fibre Channel interface Failover from each storage processor to both Fibre Channel loops is possible
Drives Available (Visit dell.com for current capabilities)	Enterprise Flash Drives 15K RPM Fibre Channel 15K RPM Fibre Channel 7.2K RPM SATA II 5.4K RPM SATA II (Low Power)
Available Software	EMC SnapView™, EMC MirrorView™, EMC Navisphere® Manager, EMC Navisphere Analyzer, EMC Navisphere Quality of Service Manager, EMC PowerPath®, EMC SAN Copy™, Virtual Provisioning, Replication Manager Family, VMware®
Dimensions	Storage Processing Enclosure with Standby Power Supplies Height: 5.25 in. (13.33 cm), 3 BAY units Width: 17.5 in. (44.45 cm) Depth: 24.25 in. (61.6 cm) Weight: 98.5 lbs. (45.4 kg) max 4GB Fibre Channel Point-to-Point Disk Array Expansion Height: 5.25 in. (13.34 cm), 3 BAY units Width: 17.72 in. (45.0 cm) Depth: 14.00 in. (35.26 cm) Weight: 68 lbs. (30.9 kg) max, config. variation

* Based on drive specifications. Actual power consumption will vary based on configuration, usage, and manufacturing variability.



SIMPLIFY STORAGE AT DELL.COM/EMC

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