

REQUEST FOR PURCHASE IN EXCESS OF \$20,000/CHANGE ORDER



To: Mayor and City Council

From: Ryan Browning, I.T. Manager

Date: October 7, 2014

Subject: Request for Purchase – Storage Area Network

Agenda Item #: IV.F.

The Recommended Bid is

Within Budget

Not Within Budget

Date Bid Opened or Quote Received:
September 26, 2014

Bid or Expiration Date:
Oct. 10, 2014

Company:

1. CDWG – EMC
2. Verus Corp - HP
3. Insight – Dell EqualLogic
4. NimbleStorage
5. Xigent Solutions - NetApp

Amount of Quote or Bid:

1. \$96,783.42
2. \$97,820.00
3. \$98,978.00
4. \$99,476.35
5. \$115,137.00

Recommended Quote or Bid:

CDWG – EMC \$96,783.42

Not only is this the lowest priced solution, it also offers the highest usable storage capacity and can be purchased off the State contract.

General Information:

In order to expand our virtual server initiative, the City of Edina must implement a storage area network (SAN). The investment in storage will allow the Communications & Technology Services Department to more efficiently respond to the server needs of all City departments and will result in significant cost savings.

Server and storage consolidation will involve moving many of our servers and most of our data to a redundant and virtualized environment. This environment will increase the efficiency of our use of I.T. resources. These resources include servers, memory, storage, network ports and electricity. A virtualized environment allows us to maximize our server efficiency, and will give us the ability to deploy servers/applications more quickly because we will no longer have to configure, order and wait for delivery of new servers.

This new storage system at City Hall will allow much greater resiliency and redundancy. With shared storage, virtual servers are easy to recover in the event of hardware or software issues. Our proposal also includes a secondary storage device that will hold a copy of our data. This second SAN will be located in a separate City facility and will serve as a backup in the event of a large-scale outage.

In addition to this purchase of a storage system, this project will also require the following approximate expenditures:

Software Licensing	\$10,000
Professional Service Labor for Installation and Testing	\$9,000
Network Upgrades to Improve Disaster Recovery Site	\$12,000

The overall project will cost approximately \$130,000. It will be paid for with a combination of Equipment Replacement funds and an allocation recently approved by the City Council from the 2013 General Fund Unassigned Balance.

The move to the virtualized environment with shared storage is estimated to cut server and storage replacement costs by 48 percent over 5 years and 42 percent over 10 years. Our current environment includes approximately 30 physical servers. In the virtualized environment, this will be reduced to as few as six.

Once approved, we will move forward with implementing the environment in November. We intend to begin rolling out new production servers on this storage system beginning in December. We will begin the process of moving existing servers over in early 2015.