City of Denton

City Hall
215 E. McKinney St.
Denton, Texas 76201
www.cityofdenton.com

Legislation Text

File #: PUB17-204, **Version:** 1

AGENDA INFORMATION SHEET

DEPARTMENT: **Materials Management**

CM/DCM/ACM: **Bryan Langley**

AGENDA DATE   **October 9, 2017**

SUBJECT

Consider recommending adoption of an ordinance awarding a contract to purchase VNX Data Storage to increase the Storage Area Network (SAN) for Denton Municipal Electric's server infrastructure, as awarded by the State of Texas Department of Information Resources (DIR) through the Go DIRect Program, Contract Number DIR-TSO-2634; providing for the expenditure of funds therefor and providing an effective date. (File 6598 awarded to Presidio Networked Solutions Group, LLC in the not-to-exceed amount of $128,669.89).

FILE INFORMATION

As DME continues to grow and offer new services to customers, additional storage capacity is required to meet this need. This storage will be used to host new servers, virtual desktops, SCADA and meter data, databases, unstructured user data, and serves as the data store for virtually every IT initiative in DME.

Technology Services uses a storage area network (SAN) solution from EMC called a VNX. The VNX is expandable by design. This allows the City to purchase additional storage as needed, without upgrading or replacing the entire system. The current SAN infrastructure is approximately three years old and periodic increases in storage capacity over the lifecycle of the product are expected. There has been no end-of-life announcement for our SAN, but we expect at an additional 3-5 years of service from this device.

Our SAN is currently operating at 91% of its usable capacity. Once a SAN starts approaching 95%, services or applications will begin to decrease in speed and performance. A considerable investment has been made in this storage solution and transitioning to an alternate product at this point in the product lifecycle would be cost prohibitive. The most economical way to provide additional storage and meet the needs of the business is to add storage capacity to the SAN we already own. When this product reaches the end of its lifecycle, we with perform a competitive analysis of alternative storage solutions.

Data storage at DME is continually increasing due to the constant collection of SCADA data, meter data, GIS data, and new engineering projects. If additional storage is not procured, decisions will need to be made regarding the curtailment of new projects, expunging data beyond a certain period, and/or shutting down services currently provided to make room for continued growth.

Additional capacity needs are planned expenditures and are part of the overall lifecycle management for our SAN. Lifecycle management is vital for technology solutions to ensure that they continue to be supported by

the solution provider and are able to maintain a sustainable service level to protect City services. It is essential for the City of Denton to regularly maintain storage devices. This allows us to retain data for an appropriate duration, support business continuity, maintain service levels, and keep up with anticipated data expansion.

RECOMMENDATION

SAN	Presidio	Dell EMC	Unique Digital, Inc.
VNX	$53,902.92	$54,191.85	$51,883.80
VCE	$63,069.71	$66,291.34	$68,546.50
Total	$116,972.63	$120,483.19	$120,430.30
10% Contingency	$11,697.26	$12,048.32	$12,043.03
Grand Total	**$128,669.89**	**$132,531.51**	**$132,473.33**

Staff recommends awarding a contract to add storage capacity to DME's server infrastructure to Presidio, in an amount not to exceed $128,669.89. This represents the lowest bid received and an additional 10% contingency.

PRINCIPAL PLACE OF BUSINESS
Presidio
1955 Lakeway Drive Suite 220
Lewisville, TX 75057

ESTIMATED SCHEDULE OF PROJECT
Presidio estimates the total number of hours on the project to be 50, with a completion date no later than January 31, 2018.

FISCAL INFORMATION
The cost of the equipment and professional services is budgeted in account 840056744.1355.30100.

STRATEGIC PLAN RELATIONSHIP
The City of Denton's Strategic Plan is an action-oriented road map that will help the City achieve its vision. The foundation for the plan is the five long-term Key Focus Areas (KFA): Organizational Excellence; Public Infrastructure; Economic Development; Safe, Livable, and Family-Friendly Community; and Sustainability and Environmental Stewardship. While individual items may support multiple KFAs, this specific City Council agenda item contributes most directly to the following KFA and goal:

Related Key Focus Area: **Public Infrastructure**
Related Goal: **1.5 Utilize technology to enhance efficiency and productivity**

EXHIBITS
1.   Quotes

Respectfully submitted:
Melissa Kraft, 349-7823
Chief Technology Officer

For information concerning this acquisition, contact:

Melissa Kraft, 349-7823
Chief Technology Officer