



City of Maricopa

Legislation Details (With Text)

File #: PUR 17-13 **Version:** 1 **Name:** Data Center Upgrade Information Technology
Type: Purchase **Status:** Passed
File created: 5/25/2017 **In control:** City Council Regular Meeting
On agenda: 6/20/2017 **Final action:** 6/20/2017

Title: The Mayor and City Council shall discuss and possibly take action on approving a purchase request from the Information Technology (IT) Department for the Data Center Power Upgrade in the amount Not to Exceed (NTE) \$75,000. Funding will be Capital Improvement (CIP)/Org 35011553, Object: 67744, Project: 35055. This purchase is in accordance with City of Maricopa, Purchasing Code, Article IV, Section #3-213. Discussion and Action.

Sponsors: Cary Gielniak, Brenda Hasler

Indexes:

Code sections:

Attachments: 1. DSI - UPS Upgrade Project.Final, 2. Data Center Upgrade Purchasing Summary for DSI Inc, 3. TITAN QUOTE MAY 2016

Date	Ver.	Action By	Action	Result
6/20/2017	1	City Council Regular Meeting	Approved	Pass

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Purpose of this project. The requested Data Center Power Upgrade requires Uninterrupted Power Supply (UPS) sources that would have enough battery capacity to handle a forty-five (45) minute outage. The reason for this project is two-fold. First, in the summer of 2015 it was learned that the data center had but one (1) power circuit running into it. This would eliminate exposure to that single point of failure. Second, in order for Facilities to test the power generator transfer switch on a regular basis, the City of Maricopa IT staff must power down the data center for thirty (30) minutes. Currently the rack mounted UPS's only have a ten (10) - fifteen (15) minute capacity.

The City of Maricopa IT Department has determined that the Eaton brand of UPS for the City of Maricopa is the best power upgrade option. DSI, Inc. and Titan are authorized resellers of Eaton. There is a price disparity of \$2,242.64. Please refer to justification for choosing DSI, Inc. as follows:

- DSI's proposal includes the purchase and installation of five (5) Power Distribution Units (PDU's) plus the installation of L6-30 power receptacles under the floor in to which each of the PDU's will connect. Titan did not include in their proposal. Potential unknown future costs.
- DSI's proposal calls for the installation of a power distribution panel within the data center. Titan's proposal calls for the distribution panel to be located within the electric room behind the data center. Potential unknown future costs.
- DSI's proposal calls for an interconnect to our FM200 fire suppression system allowing us to override the fire suppression system in the event of a power outage. The Titan proposal does not include this provision. Potential unknown future costs.
- The Eaton UPS proposed "solution" by DSI is upgradable down the road. The UPS proposed by Titan would require a "forklift" upgrade in the future. Potential unknown future costs.

Breakdown of potential immediate costs of approximately \$6,000 would need to be added to the cost proposal received from Titan (\$62,852.33) that the City of Maricopa would incur if DSI, Inc. is not

awarded this project. Refer to the following:

- The “basic” ePDU for the City of Maricopa’s environment is approximately \$280 each in which five (5) would be required. = \$1500.
- Electrical Contractor to install the power receptacles and a power distribution panel. = \$4500.
Total \$6,000.

Staff recommends the Mayor and City Council approve a purchase request from the Information Technology (IT) Department for the Data Center Power Upgrade in the amount NTE \$75,000. Funding will be CIP/Org 35011553, Object: 67744, Project: 35055. This purchase is in accordance with City of Maricopa, Purchasing Code, Article IV, Section #3-213.