

PURCHASING SUMMARY  
May 24, 2017  
City of Maricopa  
Purchasing Office  
**Information Technology (IT) Department**  
**Data Center Power Upgrade**

In accordance with City of Maricopa, Purchasing Code, Article IV, Section #3-213, it is recommended that the proposal from DSI, Inc. be utilized to purchase the City of Maricopa Data Center Power Upgrade.

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.

Requirement Review. The City of Maricopa's, IT Department has reviewed the detailed requirements and specifications and worked with purchasing staff to obtain (2) two quotes (DSI, Inc. \$59,094.97 and Titan \$56,852.33).

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.