



MEMORANDUM

To: Mayor and City Council

From: Jerod Anderson, Director of Enterprise Solutions

Date: September 13, 2018

Reference: Consider approval to purchase data center hardware from Dell Marketing from the DIR contract # DIR TSO-3763 in the amount of \$216,386.62 as budgeted and authorizing the City Manager to execute all necessary documents.

2030: Sustainable City Government

Introduction:

As part of our ongoing effort to maintain proper hardware infrastructure to support city services, we have identified the need to upgrade our existing storage capacity. This purchase will upgrade two of our three storage arrays.

Analysis:

In 2013, the City purchased two Dell EqualLogic storage arrays to support our virtual server infrastructure. At that time, the city had approximately eighty (80) virtual servers. Today our virtual server count is approximately two hundred (200) and will continue to grow. This purchase will consist of two Compellent SANs and two Compellent Disk enclosures. The high-level specifications of this equipment are listed below.

(2) Compellent SC3020 Arrays

Each with:

(15) 3.84TB SSD(s) for a total of 55.6TB of RAW SSD space.

(2) Compellent SC320 Disk Enclosures

Each with:

(9) 1.8TB 10k Drives for a total of 16.2TB of RAW SSD space.

(4) 3.84TB SSD(s) for a total of 16.2TB of RAW SSD space.

This will give us 176TB of additional raw storage. Once the new equipment is in place we will be able to reallocate the existing Dell EqualLogic's SANs.

Legal Review:

Agenda item was reviewed by Attorney, Ms. Alexis Allen on 9/13/2018

Fiscal Impact:

The purchase is \$216,386.62

Recommendation:

The Enterprise Solutions Department recommends approval.