

Council Meeting of
November 6, 2007

Honorable Mayor and Members
Of the City Council
City Hall
Torrance, California

Members of the Council:

SUBJECT: Communications & Information Technology – Authorize the purchase of new data network equipment from CDW Government, Inc., in an amount not-to-exceed \$26,400.

RECOMMENDATION

The Information Technology Director recommends that Council authorize a purchase order with CDW Government, Inc., from Vernon Hills, Illinois, for new data network devices to replace obsolete devices in an amount not-to-exceed \$26,400.

Funding

Funding is available in the Data Communications Replacement Fund.

BACKGROUND

Staff continues to replace network infrastructure to keep pace with software application demands on the data network. Staff also systematically replaces the remaining infrastructure of network hubs, switches, and routers that have exceeded their expected service life or lack the necessary “Gigabit” bandwidth migration capabilities.

ANALYSIS

The existing Internet router has been in service for over five years. It is no longer supported by the manufacturer and has exceeded its projected useful life. The proposed replacement router provides improved processor performance for data, security, and voice services, greater bandwidth capacity for service provider connections, and enhanced security features such as encryption and intrusion prevention.

Two of seven data center switches have reached their expected useful life and one of the switches lacks additional port capacity. The proposed replacement switches provide greater port quantities and bandwidth, new hot-swappable power modules, and

permits for a stackable and redundant "server farm" network design. The proposed switches were selected to match the objectives designed into the data center redesign.

The existing General Aviation Center router has been in service for over eight years and has exceeded its projected useful life. The proposed replacement router provides greater bandwidth capacity, enhanced security, and the ability to consolidate wide area network connections to support the Airport's current needs, the pending airport security project, and the projected needs of the City's future Alternate Emergency Operation Center.

The existing Teen Center data center switch has reached its expected useful life and lacks the necessary network management features to properly monitor network activity. The proposed replacement switch is compatible with the central network management console and provides greater port quantities and bandwidth.

The Torrance Municipal Code Section 22.3.19 creates a purchasing exception for computer and networking hardware and software purchases. The municipal code states: "The provisions of this Article do not apply to contracts for the purchase of computer and networking hardware and software. The purchase of computer and networking hardware and software will be done pursuant to regulations and procedures established by the City Manager."

Staff selected CDW Government based on their consistently low overall prices, ability to supply all the items requested and strength of their reputation as a Cisco reseller.

Respectfully submitted,



RICHARD SHIGAKI
Information Technology Director

CONCUR:



LeRoy J. Jackson
City Manager