

# DENVER BOARD OF WATER COMMISSIONERS

Meeting Date: January 9, 2012

Board Item: V-A-10

## Purchase of HP Enterprise Computer Servers

Action by Consent

Action

Information

For well over a decade Denver water has standardized on HP computer servers for its IT Infrastructure. As individual servers reached their end of life, they have historically been replaced with new models on a 5-7 year cycle. However, over the past several years, Denver Water has been taking advantage of Microsoft's server virtualization technology which allows multiple individual servers to be replaced using a single virtual host server. Virtual host servers are engineered with greater capacity than typical individual servers in order to host many virtual individual servers concurrently. The advantage of this server virtualization technology is that it is cheaper to operate and administer in terms of less hardware, more effective use of hardware, lower energy consumption, smaller equipment footprint and automated failover capabilities. Server virtualization technology is core to Denver Water's IT Infrastructure strategy and implementation of the IT Disaster Recovery project.

The purpose of this request is to purchase three enterprise class computer servers to provide additional virtual hosting capacity in the primary IT datacenter. These expenses are fully budgeted in the 2013 IT Disaster Recovery Project budget (MPC: 3HN0041)

The acquisition of this equipment is being sole sourced to Vectronics Marketing, Inc. because HP resellers tend to quote WSCA (Western States Contracting Alliance) pricing for this type of enterprise class equipment and specialized reseller expertise was needed to determine the appropriate configuration details for these virtual host servers; and Vectronics was uniquely qualified to provide that expertise.

### Recommendation:

It is recommended the Board approve the purchase of three HP DL980 Servers and the associated components as outlined in the detail quote from Vectronics, for a total amount not to exceed \$171,240.66.

### Approvals:

Respectfully submitted,

  
James S. Lochhead, CEO/Manager

  
Christopher R. Dermody,  
Director of Information Technology

8/31/09

Revised by Legal 8/31/2009