



**Item #17-9-3
Consent**

SACOG Board of Directors

September 7, 2017

Authorization to Release an Invitation for Bids and Negotiate a Contract for the Upgrading of SACOG's Server Hardware

Issue: Should the Board authorize the CEO to release an invitation for bids (IFB) and negotiate a contract with the selected vendor for the upgrading of SACOG's server hardware?

Recommendation: The Government Relations & Public Affairs Committee recommends that the Board authorize the Chief Executive Officer to release the IFB and negotiate a contract with the selected vendor for the upgrading of SACOG's server hardware.

Committee Action/Discussion: In June of 2011, SACOG last purchased new servers and storage for our network environment. At that time, we changed from many independent servers, to a virtual server environment using VMware. The industry standard for the life of servers and storage is from 3 to 5 years, depending on what the hardware is used for. Our 3 servers and storage are now over 6 years old and are due for replacement. During this period, we have also grown from about 10 servers to about 20 servers and we have reached the limits of our current system.

In researching options for server upgrades, we have decided to incorporate a HyperConverged system into our environment. HyperConverged systems are built with both the server and the storage included in a single unit, rather than separate units. This helps to reduce the cost of the hardware, while at the same time increases the speed and efficiency of the server/storage environment.

Staff is seeking a recommendation that the Board authorize the CEO to release an IFB for the upgrade of our server and storage environment, and also authorization for the CEO to negotiate a contract with the selected vendor to provide the hardware and the labor to install and configure the new system.

The new server hardware will consist of a Nutanix 4 Node HyperConverged system. Each node will contain 2 – Intel Xeon Processors, 128GB RAM, 2 – 8TB HDD, 1 – 2TB SSD, and 2 – 10GB SFP+ Network Ports. We will also need to upgrade our current version of VMware to the current version of the Enterprise Plus Edition, and our current version of Veeam Backup Software to the Veeam Enterprise Edition.

The hardware update will also include a new storage device for our backup environment. The new backup storage will consist of an HPE MSA 2040 with a minimum of 9 – 6TB HDD, and 2 – 10GB network adapters.

The estimated cost of these hardware and software upgrades, and the cost of the installation and configuration services is \$180,000. The cost for the project shall not exceed \$200,000.

It is anticipated that staff will release the IFB following the September Board meeting. The contract should begin on November 1, 2017 with a contract end date of April 30, 2017.

Approved by:

James Corless
Chief Executive Officer

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