



Information and General Services Department

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*Information Systems
Geographic Information Systems
Facilities Management*

*Emergency Services
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Cable Television*

*Purchasing
Airport
Library*

NEVADA COUNTY BOARD OF SUPERVISORS Board Agenda Memo

MEETING DATE: April 25, 2017

TO: Board of Supervisors

FROM: Steve Monaghan, Chief Information Officer

SUBJECT: Resolution amending the FY16-17 Information Systems budget for the purchase of hardware to upgrade the data backup environment, and authorizing the purchase of three capital assets

RECOMMENDATION: Adopt the Resolution

FUNDING: A release of \$62,124 from the Information Systems Infrastructure assignment of the General Fund is requested. A budget amendment is requested to increase the FY2016-17 Information Systems budget for these purchase.

BACKGROUND:

Every year the County has more data to be backed up and secured. The hardware in our backup environment is aging and requires replacement in order to maintain the frequency and required retention period for data backups. With the proposed hardware upgrades, we will protect the reliability of our backups and add two important features: encryption of data at rest to meet the County's cybersecurity requirements and higher capacity on our backup tapes.

The equipment to be purchased includes:

1. An expansion of our current Tegile storage area network system. This will enable backups to be stored with encryption and data compression, enhancing data security and increasing the efficiency of the backup system. This will enable the County to retire two 10+ year old data storage units.
2. A LTO 6 tape library. This tape library will provide greater capacity per tape. Currently, some backup jobs fail each week because the data exceeds the capacity of the tapes. This upgrade will reduce the risk of backup failure and reduce the amount of staff time required to oversee the backup process.

3. Replacement of the oldest of the three servers that support the backup environment. This will improve backup job speed and reliability.

These purchases have been planned in the Information Systems infrastructure spending plan and have been recommended for funding from the Information Technology assignment of the General Fund by the Information Systems Steering Board.

Item Initiated by: Mary Ross and Landon Beard

Item Approved by: Steve Monaghan

Submittal Date: April 11, 2017

Revision Date: