



# Information and General Services Department

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*Information Systems  
Geographic Information Systems  
Facilities Management*

*Emergency Services  
Central Services  
Cable Television*

*Purchasing  
Airport  
Library*

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## NEVADA COUNTY BOARD OF SUPERVISORS Board Agenda Memo

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**MEETING DATE:** June 22, 2021

**TO:** Board of Supervisors

**FROM:** Steve Monaghan, Chief Information Officer

**SUBJECT:** Resolution Authorizing the capital asset purchase of Data protection and CyberSecurity enhancements and amending the FY21-22 Information Systems Budget in the amount of \$289,243 (Requires 4/5 Affirmative Vote)

**RECOMMENDATION:** Adopt the Resolution

**FUNDING:** A release of \$289,243 from the Information Systems Infrastructure assignment of the General Fund is requested to purchase the Rubrik Complete Solution, Dell Storage SAN and accessory components to provide enhanced data backup, disaster recovery and Cyber Security protection for the County data systems. A budget amendment is requested to increase the FY2021-22 Information Systems budget for this purchase.

**BACKGROUND:** Information Systems maintains a data storage and backup environment designed to minimize risk to the County of data loss due to system corruption, user error and catastrophic system or data center failure. Current systems in place to provide backup services have been in operation for many years and have faithfully provided a basic level of protection. CyberSecurity risks continue to increase and have become more real to organizations our size. As these risks increase, it is imperative that we scale the protection for these data systems that allow the County to serve the community.

Information Systems technical teams evaluated the gap in services provided by our current systems and developed a list of technical and operational requirements and goals. Primary goals defined include developing better ability to protect data, prevent Ransomware infection, recover from Ransomware, and prepare for catastrophic failure. Staff then performed research across the industry seeking solutions to meet these goals. The team utilized analysis from Gartner and Infotech along with reviewing technical documentation, participating in product demonstrations, and interviewing technical staff from other counties

to formulate a plan for meeting these goals.

After evaluating several alternatives and collaborating with staff from other counties, a combined approach of data storage, protection and cloud storage was identified to meet these goals. By enhancing our depth of daily backups by replacing the main storage platform we are able to mitigate data corruption concerns. Adding a backup solution that will provide immutable system copies for a minimum of 30 days and that will also transport data offsite will serve to protect against Ransomware threats and physical disasters affecting the County Data Center. Products from Dell and Rubrik have been selected as a best fit and value for the County.

Working with Purchasing, Information Systems has refined the system configuration to be the least expensive and best fit for the County and to take advantage of purchasing incentives currently available to the County.

This purchase and technology direction was reviewed and approved by the Nevada County Information Systems Steering Board (ISSB) on May 20, 2021.

This resolution approves the capital asset purchase of the Rubrik Complete Solution and accessory components in the amount of \$182,243 and the Dell Storage SAN and accessory components in the amount not to exceed \$107,000 for a total expenditure of \$289,243.

**Item Initiated by:** Landon Beard

**Approved by:** Steve Monaghan