



## 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*

September 30, 2015

Honorable Board of Supervisors  
Eric Rood Administration Center  
950 Maidu Avenue  
Nevada City, CA 95959

### **DATE OF MEETING: October 13, 2015**

**SUBJECT:** Resolution authorizing purchase of a Storage Area Network (SAN) that will enable data encryption and enhanced data disaster recover capabilities, and amending the FY15-16 Information Systems budget.

**RECOMMENDATION:** Adopt the resolution

**FUNDING:** \$32,800 in unexpected revenue and \$42,200 of fund balance from the Information Systems Infrastructure assignment of the General Fund (Fund) will be used for the one-time expense. Five years of maintenance and support services are included in the purchase.

**BACKGROUND:** This project will replace our current Tegile (manufacturer) storage area network (SAN) with a new unit at no cost and purchase a second Tegile SAN for our disaster recovery (DR) needs for \$75,000. Cybersecurity is a growing concern and top priority. Data encryption is a fundamental component required to protect County data at rest. Our current SAN which houses most county data sets cannot encrypt data at rest. Pending legislation, AB 259, would impose fiscal impacts on counties in the event of a sensitive data breach where the data is not encrypted at rest. Implementing this solution will also meet the County's DR phase III project goals of offsite replication of live data and our needs for storage capacity expansion. County data sets have grown in size to the point that traditional backup and restoration periods take too long and thus impact county business operations. Implementing a Tegile DR SAN with live replication and encryption capabilities will provide more reliable DR capabilities, including increased data restore points and much shorter restoration durations.

Tegile has agreed to replace the SAN unit that we purchased last year at no cost with a model that does encryption and that provides double the overall storage capacity and system performance. The five-year spend plan for the Information Systems Infrastructure designation includes \$50,000 in storage updates next year; this project will meet those needs, eliminating that expense for next year. The unexpected revenue that will help cover the cost of the new DR SAN is from a class action settlement with Dell Computer Co.

The Information Systems Steering Board has approved this project.

Respectfully,

Stephen T. Monaghan  
Chief Information Officer