

227 N. Fourth Street
Geneva, Illinois 60134
(630)463-3070
mwilkes@geneva304.org



Michael Wilkes
Director of Technology
Geneva School District 304

To: Dr. Kent Mutchler
From: Michael Wilkes
Date: November 13, 2017
Re: Purchase and Installation of Data Storage Solution

The District's virtual server environment is the core platform upon which the most critical applications and services run. This platform consists of a relatively small number of physical servers supported by a large, common, data storage solution (SAN) to provide efficient long-term storage for the data created by these applications and services. The District currently supports two data centers: a primary and secondary.

Currently, the SAN solutions at each of these sites are 5 and 6 years old and the storage capacity is lacking at the secondary site. This means that in the event of failure, the District would not be able to relocate all services to the secondary site and sustain operations. To this end, this project involves the installation of a new SAN solution at the primary data center site and the re-location of the existing primary data center's SAN to the secondary site. This work will result in new hardware at the primary site to support the District's needs over the next few years, the opportunity to reduce annual support costs, and capacity at the secondary site to support a full recovery.

The 2017-18 Technology Plan included \$50,000 in capital in anticipation of this project. This amount covers the physical hardware components. Related to the purchase of this equipment, there are professional services which will be performed. These services include the installation of the new hardware, safe handling and re-location of the existing SAN to the secondary site, data migration and testing, and the upgrade of the virtual server environment's software to the latest version.

The table below outlines the recommended items and costs:

Item Description	Qty	Cost/Unit	Funding Source
SAN Hardware, Components & 5 Year Support	1	\$48,786.66	O&M Capital
Installation & Related Professional Services	1	\$21,000.00	O&M Professional Services
Total		\$69,786.66	

Thank you for your consideration.