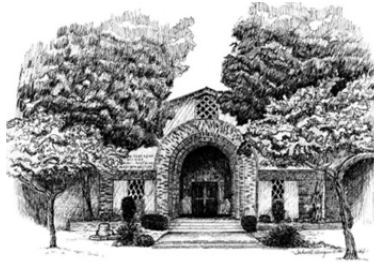


SOUTH PASADENA UNIFIED SCHOOL DISTRICT
Business Services Office



TO: Board of Education

FROM: Dave Lubs, Assistant Superintendent of Business Services

PREPARED BY: Derek Aoki, Director of Technology

DATE: April 12, 2016

SUBJECT: Approval to Purchase Network Security Hardware

Background

South Pasadena Unified School District is currently using a nine (9) year old network security device, known as a firewall. The Technology Department recommends purchasing and installing a Palo Alto 3060 Firewall to bring this critical piece of equipment up to date.

Discussion

South Pasadena Unified School District is currently using a Cisco ASA 5510 firewall. This device is no longer feasible to protect our internal network from the new generation of threats that now exist. Next generation firewalls stop evasive attacks at the application level, where legacy firewalls cannot. The CIPA Act of 2000 states that it is the District's responsibility to "address the unauthorized disclosure, use, and dissemination of personal information regarding minors." The firewall is the single most important piece of equipment when it comes to preventing attacks on our data from the outside world.

The District also applied to double our current bandwidth to 1Gps on July 1st, 2016. Our current firewall will bottleneck this increase at approximately 600Mbps, where the Palo Alto will take full advantage of it. With the huge increase in the number of devices over the past few years, this speed is necessary to support our programs and testing.

The Technology Department has tested a demo version of the Palo Alto 3060 for the past 3 months, and is very satisfied with the results. This product also has the ability to decrease our current usage by 50% just from blocking traffic that is detrimental to our purpose.

Surrounding districts have made Palo Alto the firewall of choice for our region over the past 4 years. The total costs are over 30% lower than an equivalent Cisco solution.

Fiscal Impact

Initial costs of \$36,339.86 cover hardware and installation. Services for Threat Prevention, Wildfire, and 4 Hour Premium Support will run \$45,405 for three (3) years. The three (3) year contract saves the District \$20,535 compared to three (3) consecutive one (1) year subscriptions. Installation and configuration is \$5,350, bringing the total to \$90,365.45 (after tax) for three years. This product will allow the District to cancel our current Symantec Antivirus Subscription which will save us roughly \$4200 per year.

Recommendation

Dave Lubs, Assistant Superintendent of Business Services, recommends that the Board of Education authorize the purchase of the Palo Alto 3060 Firewall, along with consulting services for installation and setup.