

To: Board of Education

From: Jerri Kemble, Assist Superintendent, leading, learning & technology

Re: Purchase of upgraded hardware & licensing for middle school wireless infrastructure

Date: February 22, 2018

Background:

The district established Meraki access points and Cloud Controller as the standard hardware/software management solution to support wireless device access to network resources and the internet in the fall of 2014.

The district's middle schools are currently operating in a 1:1 iPad environment with increasing demand on wireless capabilities.

Rationale:

In June of 2017, the board approved the upgrade to the wireless access points and switches at both high schools. The upgrade has resulted in a better wireless experience for the staff and students. The middle schools would benefit from the same upgrade. Wireless access points and network switches are eligible for federal eRate funding. The department submitted for bids under eRate guidelines for the appropriate hardware and licensing to complete the upgrade at all middle schools. The bids have been reviewed and it was determined that Alexander Open Systems (AOS) submitted the best solution. The proposed solution would replace existing wireless access points with Meraki model MR53 and a variety of Meraki switches, some of which include MGIG ports. The AOS bid, which includes hardware and the 5 year licenses, is \$524,345.32.

Recommendation:

Administration recommends purchasing the additional wireless access points, switches and Cloud controller 5 Year Licenses from Alexander Open Systems an amount not to exceed \$524,345.32 to be paid out of Capital Outlay – Technology funds.

Motion:

"I move that the Board of Education purchase the additional wireless access points, switches and Cloud Controller licenses from Alexander Open Systems in an amount not to exceed \$524,345.32 to be paid out of Capital Outlay - Technology funds."