



**To:** Dr. Mike Riggle  
Board of Education

**From:** Dr. R.J. Gravel

**Date:** Wednesday, May 4, 2016

**Re:** FY2017 Technology Wireless Network Equipment Purchase

**Recommendation**

It is recommended that the Board of Education approve the purchase of upgraded wireless network equipment for the 2016-2017 school year in the amount of \$433,007 as itemized below.

**Background**

As part of the FY2017 technology services budget, we are recommending the replacement and upgrade of our existing wireless network hardware (access points, controllers, and reporting tools). We posted a Request for Proposal through the Universal Service Administrative Company's E-rate Productivity Center (EPC), providing vendors an opportunity to propose solutions for this project. After a review of the proposals received, we are recommending that the Board of Education approve CDW-G as our partner for this project. A detailed roster of equipment and services to be purchased is presented below.

<b>Glenbrook North High School</b>			
<b>Description</b>	<b>Qty</b>	<b>Unit Cost</b>	<b>Total Cost</b>
Aruba AP-335, 802.11n/ac, 4x4 MU-MIMO AP, Integrated Ant.	231	\$678	\$156,618
Aruba AP-334, 802.11n/ac, 4x4 MU-MIMO AP, External Ant.	25	\$678	\$16,950
Aruba 7240 4x10GBASE-X SFP+ 350W AC	1	\$15,198	\$15,198
Aruba 1YR Next Day Support for Aruba 7240	1	\$5,021.55	\$5,021.55
Aruba Implementation Support	40	\$195	\$7,800
			<b>\$201,587.55</b>
<b>Glenbrook South High School</b>			
<b>Description</b>	<b>Qty</b>	<b>Unit Cost</b>	<b>Total Cost</b>
Aruba AP-335, 802.11n/ac, 4x4 MU-MIMO AP, Integrated Ant.	265	\$678	\$179,670
Aruba AP-334, 802.11n/ac, 4x4 MU-MIMO AP, External Ant.	25	\$678	\$16,950
Aruba 7240 4x10GBASE-X SFP+ 350W AC	1	\$15,198	\$15,198
Aruba 1YR Next Day Support for Aruba 7240	1	\$5,021.55	\$5,021.55
Aruba Implementation Support	40	\$195	\$7,800
			<b>\$224,639.55</b>
<b>Glenbrook Off-Campus</b>			
<b>Description</b>	<b>Qty</b>	<b>Unit Cost</b>	<b>Total Cost</b>
Aruba AP-335, 802.11n/ac, 4x4 MU-MIMO AP, Integrated Ant.	10	\$678	\$6,780
			<b>\$6,780</b>
Eligible to receive \$173,203 (40%) in E-rate Category 2 Funding			\$433,007.10

The total purchase cost of \$433,007 will be financed through a 5-year, \$1 buy-out lease with an annual lease payment not to exceed \$93,000.

Due to a recent overhaul of the federal E-rate program, we have filed the appropriate documents to request a federal grant to partially fund this project in the amount of \$173,203 (40% of the purchase price). Should the funding be approved and distributed to the district, the proceeds will be recorded in a deferred revenue account. These proceeds will then be used to fund future lease payments based on the identified repayment schedule.

Additionally, due to the condition of our existing wireless equipment, we intend solicit quotations for the purchase of the access points that will be removed from service this summer. Proceeds from any equipment sales will also be recorded in a deferred revenue account and reported as a liability. These proceeds will then be used to fund future lease payments based on the identified repayment schedule.