



RIVER TRAILS SCHOOL DISTRICT 26

MEMO

TO: Dr. Delli
FROM: Sue Hoffman and Dr. Matt Silverman
DATE: March 20, 2012
SUBJECT: Switch Purchase

Included in the District's Technology Plan is the maintenance of the infrastructure needed to support teaching, learning and communication.

The Technology Department has had to contact E2 Services (Network consultant and Managed Services Vendor) several times for issues with our wireless network. The wireless network has been suffering growing pains with the addition of hundreds of laptops, iPod Touches, iPads, etc. The technology department has done what it can to upgrade the current wireless system. E2 has found that the problem is the number of devices trying to connect to the wireless network. With the district's current system no additional access points can be added.

E2 Services is recommending the following steps to improve our current wireless service.

- Remove all Cisco wireless equipment from RTMS and the ESC and install it at Euclid and Indian Grove
 - This doubles the number of access points at Euclid and Indian Grove
 - E2 would reconfigure the wireless controllers and district personnel would wire and mount the additional access points
- Install an Aruba system at RTMS and the ESC
 - This doubles the number of access points at RTMS.
 - It places higher capacity access points in the core classroom areas of RTMS
 - It provides very granular control of the wireless network at RTMS and the ESC
 - E2 Services would configure the Aruba wireless controllers and district personnel would wire and mount the access points

Vendors were contacted and have provided quotes for the Aruba equipment. I also told vendors that they could quote comparable Cisco equipment. A summary of the quotes (including shipping) is listed below.

Company	Type	Total Cost*
E2 Services	Aruba	\$29,134.94
Dell	Aruba	\$37,657.83
Sherlock Systems	Aruba	\$41,529.01
Think Tank	Cisco	\$54,665.75
CDWG	Cisco	\$35,736.17

*Any of the above products will require a consulting service fee for the project in the range of \$6,000.

Scott Eakin from E2 Services and a representative from Aruba will be present at the March 20, 2012 board meeting to answer questions.

Based on the capabilities of the Aruba wireless system, we are recommending the purchase of the Aruba wireless equipment from E2 Services at a cost of \$29,134.94 and engaging the consulting services of E2 Services in the amount of \$6,000.