

## FWPS-032216 Questions

Can you provide a break out of equipment per location?

**Answer:** See Attachment "FWPS-032216 Equipment By Location.xls"

How many access points are currently deployed?

**Answer:** The district currently has over 1350 Access Points deployed across the district

How many clients are you planning to provide wireless access to, per classroom?

**Answer:** Our current target is 50 clients per classroom, not all functioning simultaneously.

Out of the total APs, how many, if at all, require external antennas?

**Answer:** No known locations require external antennas.

Has a predictive RF model been completed to determine the number of required APs (92 as mentioned), AP placement, and proper RF Coverage? If so, are we able to obtain a copy of the RF modeling?

**Answer:** Predictive RF model has not been completed.

Are we able to obtain a floor plan of the high school in order to perform our own wireless network predictive?

**Answer:** FWPS IT staff will be placing Access Points based on pre-determined cabling locations being wired in the new building. No additional services besides hardware and licenses are being requested at this time.

How many SSIDs are desired to be broadcasted and what authentication methods are being used for each?

**Answer:** FWPS currently broadcasts 3 SSID's district-wide plus one additional site-specific SSID if needed.

Where does the Layer 3 network terminate for the wireless network traffic?

**Answer:** Currently all wireless traffic terminates on existing wireless controllers located in district data center in the Administration building.

Are there SFP+ ports available to support DAC cables for the wireless controller(s) in the core network for a centralized controller design?

**Answer:** Yes there are SFP+ ports. The district is not looking for any additional controllers than the existing three Aruba 7220 controllers already in production.

Is there a VM environment available for virtualized appliances or will physical hardware be required?

**Answer:** The district is not looking for any virtual or physical hardware in addition to the 92 access points, licenses and mounting hardware specified in the RFP.

What is the WAN bandwidth between the High School and the Data Center?

**Answer:** The current WAN bandwidth between Federal Way High School and Admin building is 500 Mbps.

Is the school district utilizing Bonjour and/or Chrome Cast services?

**Answer:** There is some Bonjour traffic with some Apple TV's on the wireless network.

Do the edge switches require any optics? If so what speed and type?

**Answer:** The edge switches at the Elementary and Middle Schools do not require any additional optics. The edge switches at the High Schools will be upgraded to 10G SFP+ optics as existing infrastructure allows utilizing the requested 10G SFP+ modules.