E-Rate Eligible Wired and Wireless Access Layer Network Solutions
Addendum 1

1. Will the District ever consider a Network as a Service model?
   a. Not at this time.
2. What input plug type is required?
   a. UPS Inputs; 120V default; 89-151 Vac; Frequency 50-60Hz
3. What kVA rating is required for the UPS?
   a. MDFs and CORE - 1950VA, 1920W, 120V
   b. IDFs - 550 VA, 420W, 120V
4. What type of output receptacles are desired?
   a. MDFs - (8) 5-20R
   b. IDFs - (5) 5-15R
5. Concerning UPS; is a Network Card desired? The "necessary software and licenses" indicates a NIC, but it also calls out "Installation".
   a. Yes, A NIC would be needed to connect the UPS to the network. We would need all licenses and installation costs in the proposal.
6. What is the desired runtime from the UPS battery?
   a. Desired runtime would be between 10 and 20 mins under full load.
7. Can you provide specs for the racks? U Space, enclosed, two/four post?
   a. The District uses a combination of different network rack styles throughout the system. The majority of IDF and MDFs will be two post 45U standing racks. Smaller IDFs without network closets are enclosed in smaller, wall mounted, lockable cabinets in 15U, 12U, and 9U sizes.
   b. Four (4) Post standing racks are used in the data center and some IDF/MDFs for camera server and equipment.
8. Can you provide inventory of existing UPSs or provide the quantity and size required for the new UPSs?
   a. FCBOE uses Eaton 5P2200 for Core and MDF switches, between 40-50 units. Specifications can be found at: https://www.eaton.com/us/en-us/skuPage.5P2200RT.specifications.pdf
   b. FCBOE uses Eaton 5P550R for select IDFs which support the safety alert system, between 60-80 units. Specifications can be found at: https://www.eaton.com/us/en-us/skuPage.5P550R.pdf
9. How many fiber ports are active on the existing Core switches?
   a. Active fiber ports will vary by School:
      i. Elementary School MDFs - Between 3-7 active ports
      ii. Middle School MDFs - Between 5-12 active ports
      iii. High School MDFs - Between 8-15 active ports
10. Please provide required optics for MDF to IDF connectivity. Please provide a type of fiber (single mode / multimode).
    a. 1GB SFPs are used for the majority of fiber connections to MDFs and IDFs. There are some fiber chassis that convert copper to fiber used in high schools for connectivity to the IDFs. The current plan is to replace these fiber chassis with Aruba fiber switches with SFP modules.

      b.   Fiber from MDFs to IDFs are majority 12 or 6 strand OM4 Multimode 50um with LC fiber connectors.

      c.   Some older fiber connections in high schools are SC or ST fiber connections on the chassis or fiber breakout box.

      d.   All connections on switches will be LC connectors.

11. Who is responsible for the ClearPass configuration? Some configuration will be required to add the management subnets or IPs of the new equipment and potentially update the ClearPass services and enforcement.

      a.   The awarded vendor would be responsible for this configuration.

12. Please confirm who is responsible for post install configuration/troubleshooting?

      a.   The awarded vendor would be responsible for post install configuration/troubleshooting in conjunction with the District technology team.

13. Who is responsible for adding devices to Airwave for monitoring (VisualRF - Placing APs on floor plans etc.)? Please provide a number of floorplans if required.

      a.   This responsibility would be shared between the District technology team and the awarded vendor. There are 29 floor plans now in use.