

## ADDENDUM #2

FOR

### **BID – Facility-Wide Wireless Upgrades (re-bid)**

(5/20/2022) \*(edited for question 18)

#### **Questions:**

1. What is the expectation for the Contractor with regards to post-installation Event Support? **Answer: Contractor is to provide a validation of location of access points by means of spectrum analysis to validate intended coverage for the area.**
2. If any AP has to be mounted higher than 20 feet in the air, can we substitute an AP model with external directional Antennas? **Answer: AP model can be substituted with a directional antenna and must meet the following conditions:**
  - a. It is with the same manufacturer for the overall AP model
  - b. The intended coverage is met as per Sec 3.12.4 of Specifications 275400.
3. Must AP model be currently general available? **Answer: Yes. PCCA understands that there are supply chain issues currently and will work with the contractor on final models within a reasonable timeframe.**
4. Must AP support at least 4x4 MUMIMO in 5GHz Spectrum? **Answer: Yes.**
5. Can you provide RF planning for high client density areas of the convention? **Answer: Please utilize Specifications 275400 -Section 3.4.3 and the provided design to determine the high-density areas. and new WAP locations.**
6. Sending our response via email is acceptable, correct? **Answer: Yes, bids may be emailed. You must make sure it is received by Lisa Dobbertin and Stephen Shepper by getting confirmation back in an email that at least one of them received it. Our IT security often blocks emails with attachments. You may also drop off your bids in person at 12<sup>th</sup> and Arch (east side) at the security desk where there will be a bid box.**
7. Are you asking for -65 dBm coverage in the bathrooms and stairwells? **Answer: No. -70dbm is sufficient.**
8. Please confirm that there on no floor plans for Level 4? **Answer: Correct. No floors called level 4 in building.**
9. Is there a specific model of the Cisco and Aruba product lines that the PCCA design engineering firm used when performing the design? Please confirm you are seeking WIFI6E models? "Wi-Fi 6E Compatible unless noted otherwise" "Wi-Fi 6E compatibility not required for exterior WAPs" **Answer: PCCA is seeking compliance with the latest standard which is 802.11ax , therefore we are looking to install the latest WIFI6E models.**
10. Both Cisco and Aruba have noted supply chain lead times of 6 months or more - will PCCA accept changing timelines based on supply chain availability of these manufacturers? **Answer: Contractor is to work with PCCA and provide a project schedule to meet the demands, ebbs and flows of working with supply chain issues and the operation of the facility.**
11. Based on the SOW paragraph below, we read the scope as: NEW CAT6A cable run for NEW WAP locations. USE EXISTING cable run (regardless of ethernet cable category) for EXISTING WAP locations. USE CAT6A patch cords whether NEW or EXISTING cable run. Are we reading correctly? "Field Devices: The Contractor will furnish and install Wireless Access Points (WAPs), antennas. The Contractor shall furnish and install housings, and mounting brackets. Contractor shall furnish CAT6A patch cords and coordinate unique device identifiers with the Owner and label WAPs accordingly.

CAT6A cabling shall be for new WAP installations. Existing WAP replacement shall re-use existing cabling." **Answer: Yes, that is correct.**

12. Do the existing access switches provide available 802.3bt Power over Ethernet PoE++ (meaning able to support 32W-60W per port)? Also, 802.3at PoE+ is referred to in the spec document, however, it does not supply the 32W or more needed by most WIFI6E WAPs - will existing 802.3at ports be permitted to run new WIFI6E WAPs at lower feature settings? **Answer: The access switches may not support 802.3at ports now so we recommend to include a PoE injector if required and when applicable to the area being served.**
13. Does the statement below mean that The Contractor is furnishing and supplying access switches for ALL ports needed for the WLAN or is The Contractor only supplying ports for NEW WAPS? Please clarify.  
"The Contractor shall furnish and install all connections to access layer switches" **Answer: PCCA is supplying all switches/ports needed. The contractor is responsible for WAP placements and structured cabling back to the switches and any additional power requirements that may be required beyond the ability of the existing network poe switch ports.**
14. What manufacturer and feature sets are needed for the "access layer switches"? Will PCCA supply and configure all licenses needed for the PCCA network policies and The Contractor will supply and program all WLAN equipment connected to the "access layer switch"? Will PCCA provide electrical power outlets for "access layer switches" in each IDF? **Answer: Yes, PCCA is supplying all switches/ports needed. The contractor is responsible for WAP placements and structured cabling back to the switches and any additional power requirements that may be required beyond the ability of the existing network POE switch ports.**
15. The paragraph below appears to reference a 'pre-installation survey' - are we performing this survey or utilizing the survey already performed by the PCCA design engineering firm?  
"3. The Contractor shall carry out a detailed site survey to finalize locations of WAPs based on calculated coverage on site. Layout drawings marked up with the proposed location of WAPs and coverage area shall be submitted for approval. Installation shall proceed only after the formal approval of the same." **Answer: A design is being provided based off the existing conditions and heat mapping exercise. The contractor is responsible to provide a functioning system that meets or exceeds that of the design dB levels for coverage. It is recommended the contractor provide a pre-installation survey to determine the best 'actual' placement for WAPs. It will be the contractor's responsibility to preform a Post-Installation confirming survey and will be the contractor's responsibility to optimize the system to meet that of the design.**
16. The updated bid drawings show WAP Device Schedules with new "Cisco WIFI6 WAP" - is Cisco the preferred manufacturer for PCCA? **Answer: Cisco was the basis of design but PCCA is open to Aruba as well. Both provide the technical standard requirements set by PCCA and PCCA would like to see the price comparisons.**
17. Does a single partner required to submit both a Aruba and Cisco quote for the RFP? **Answer: See the Clarifications in Addendum 1. Only one is required, but bidding both is encouraged.**
18. What are the important features of the Cisco and Aruba access points that are not available with other Enterprise WLAN Access Points such as Gartner Magic Quadrant Leader solutions from Juniper, Extreme Networks and CommScope? We will want to verify if desired feature set is a part of the WAP base model or requires a Cisco/Aruba add-on license? **Answer: All of the WiFi 6 capable devices from Cisco, Aruba, Juniper, Extreme Networks, and CommScope are capable of meeting the requirements of the project. The preference toward Cisco and Aruba is based on their dominance in the enterprise WLAN market where they are the leaders in terms of market share.**