

NOTE TO THE PUBLIC

The following project overview and statement of work for Albuquerque Public Schools E-Rate projects has been posted officially on USAC's website. You may access the 470 Form utilizing the following link:

http://www.siforms.universalservice.org/Form470Expert/6/PrintPreview.aspx?appl_id=1258388&fy=2015&src=search

As stated below, for procurement-related questions, please contact in writing (email), this procurement's manager:

Name: Gustavo Rossell, CPPB
Title: Senior Buyer
Albuquerque Public Schools
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Albuquerque, NM 87125
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To respond with your offer, follow USAC's prescribed instructions.

PROJECT OVERVIEW E-RATE

Background:

The District is seeking bids for network electronics, associated hardware, wiring, and installation services. The District may decide to award the electronics portion of the contract to one vendor and the wiring and installation services to another vendor. All bids submitted must be based on master purchasing agreement pricing such as WSCA, CES, New Mexico State contracts, etc. Bids not referencing a valid (usable by APS) master purchasing agreements will be rejected.

During the upcoming E-Rate funding year the District expects to complete infrastructure upgrades at approximately 53 schools. In the event that the given scope of work cannot be completed in the next funding year, the District reserves the right to extend the agreement one year at a time for a maximum total term not to exceed five years. Because this project is being partially funded through the E-rate program, which is unlikely to cover the majority of the costs, the District reserves the right to limit or modify the scope of work based on budgetary limitations. Any contracts signed as a result of this procurement are contingent upon successful E-rate funding.

The District standard for wiring is CommScope and the District has a strong preference for CommScope Certified Partners for warranty purposes. While the E-rate rules do not allow the District to only consider bids for CommScope wiring strong consideration will be given to bids that do include CommScope wiring from a CommScope Certified Partner.

Given the complexity of the District's infrastructure the District requires that potential Offerors have at least two (2) Registered Communications Distribution Designers (RCDD's) on staff and that each RCDD has held the credential for at least the last five (5) years. Bids from vendors not meeting this requirement will not be considered. The RCDD's must currently be based in the Albuquerque Metropolitan Area or commit to relocating to the Albuquerque Metropolitan Area prior to July 1, 2015.

Given the timing of the procurement the District will be unable to perform a walk through at every site and will only be conducting a walk through at the following locations listed below. Directly prior to the walk through there will be a mandatory pre-bid meeting.

Walk Through Schools:

- Bandelier Elementary School
- Eisenhower Middle School
- Madison Middle School
- Eldorado High School

The walk through will be mandatory and bids will not be accepted from vendors that do not attend the all walk through at all four (4) schools. Prospective Offerors interested in attending the pre-bid meeting and walk through should arrive at the District Data Center, located at 930 Oak Street, at 8:30 am MT on February 11th. If for some reason not all four (4) site visits can be completed on the 11th the District (and the prospective Offerors in attendance on the 11th) will complete the visits the following day beginning at 8:30 MT. The deadline for submitting questions relating to this Form 470 bid is 10:00 am on February 16th. All bids in response to this procurement must be received by 3:00 pm MT on February 27, 2015.

BID # 15-DD Network Equipment and Installation Services

The schools selected for the walk through are representative of the other schools where the work will be completed and will be used as the basis for vendors to bid on the work for the other schools. Vendors should formulate their bids for the other schools using the quantities of equipment listed in Appendix A and then a reasonable estimate of the wiring, other electronics, and labor needs for each school. Prior to work being conducted at any school a formal walk through will be conducted and the vendor will have the opportunity to adjust their pricing based on information gathered during the walk through. However, the pricing methodology must remain consistent to the methodology that was used in the four (4) schools that were walked during the 470-bid process.

Vendors are reminded that as required by Section 54.500(f) of Part 47 of the Code of Federal Regulation all bids in response to this Form 470 must offer the lowest corresponding price (LCP) which is defined as the lowest price that a service provider charges to nonresidential customers who are similarly situated to a particular E-rate applicant (school, library, or consortium) for similar services. See <http://www.usac.org/sl/service-providers/step02/lowest-corresponding-price.aspx> for more information on the requirements relating to LCP. This includes passing on any manufacturer discounts to the District and USAC. Additionally, once the actual walkthrough is conducted for a given school the vendor is still required to offer the District the LCP.

The District expects service providers will provide an Excel version of the Item 21 Attachments in the format approved by USAC and the FCC. Offerors must ensure they provide the current approved Item 21 Attachment from USAC in an excel format that can easily be uploaded into USAC's online system. The approved templates are available at <http://www.usac.org/sl/tools/forms/471-templates.aspx>.

The agency has designated a Procurement Manager who is responsible for the conduct of this procurement. The Procurement Manager's name, address, and telephone number are listed below:

Name: Gustavo Rossell, CPPB
Title: Senior Buyer
Albuquerque Public Schools
PO Box 25704
Albuquerque, NM 87125
Telephone: 505-878-6125
Fax Number: 505-830-1161
Email: rossell@aps.edu

Special Instructions: Complete the bid documents as required. Your response must be received in the APS Procurement Department prior to the specified date and time regardless of above delivery option selected. Late RFPs are not accepted and will be returned unopened. To ensure proper identification and handling, clearly indicate the bid number and the response due date on the outside of the sealed package.

Any inquiries or requests regarding this procurement should be submitted, in writing, to the Procurement Manager. Offerors may contact ONLY the Procurement Manager regarding the procurement. Other Albuquerque Public Schools employees do not have the authority to respond on behalf of APS.

SCOPE of WORK:

Technical Specifications:

Horizontal Cabling:

- Contractor shall supply horizontal cables to connect each data communication Telecommunication outlet.
- Unless otherwise noted on the floor plans or within this document, the type of horizontal cables used work location shall be rated Category 5e/6 UTP. Per APS Standards.
- Network Cable jacket and Wall jacks shall be BLUE in color.
- The Category 5e/6 UTP cables shall be run using a star topology format from Telecommunications Room on each floor to every individual Telecommunication Outlet.
- All cable routes to be approved by APS project manager prior to installation of the cabling.
- The length of each individual run of horizontal cable from the Telecommunication Closet on each floor to the Telecommunication Outlet shall not exceed 295 ft (90 m).
- Contractor shall observe the bending radius and pulling strength requirements of the Category 5e/6 UTP cable during handling and installation.
- Each of cable between the termination block and the information outlet shall be continuous without any joints or splices unless approved by Designee.
- In suspended ceiling and raised floor areas where walker duct, cables trays or conduit are not available, the Contractor shall bundle station wiring with Velcro ties at appropriate distances. The cable bundling shall be supported via "J" hooks (every 5 foot or less) attached to the existing building and framework.
- Plenum cable will be used in all appropriate areas.
- If the interior of walls are not obstructed, the Contractor shall conceal horizontal distribution wiring internally within the walls. If such obstructions exist, Contractor shall secure approval by APS project manager prior to the use of an alternate method.
- The Category 5e/6 UTP cable shall be Underwriter's Laboratories (UL) listed type MPR, MPP, CMR, or CMP as stated later in this section.
- Contractor shall provide APS project manager with detailed As-Builds diagrams for cable runs within raised floor detailing exact locations of cable for review and approval by APS project manager after coordination with other contractors, architect or design professional and general contractor.
- Conduit runs installed by the contractor shall not exceed 100 feet or contain more than two 90 degree bends without utilizing appropriately sized pull boxes.
- All terminations will comply with ANSI/EIA/TIA 568B Standard
- Service loops required at all TR/ER/EF (10 ft or more) and the TO (3.28 FT or more)
- Ensuring that Horizontal cable bend radius is no less than four times the cable diameter. No tight bends.

Refer to the APS Standards Manual

Patch Cables:

- All patch cords shall exceed ANSI/TIA/EIA and ISO/IEC Category 5e/6 Specifications
- Patch cords shall be UL listed and UL-C certified.
- Cables colors for the following uses will be:
 - a. BLUE – Data
 - b. White– Phone
 - c. Yellow – Wireless
 - d. Green – Security Cameras
 - e. Black – Mechanical/Electrical
 - f. Gray – Intercom
- Cable jacket shall be “White” in color for Work Areas and cross connects
- Cable jacket shall be “Red” in color to identify Dmarc, router, CAT5e/6 backbones and stacking connections

Backbone Cabling:

- 6 – strand minimum, tight-buffer Fiber Backbones between Distribution Frames.
- Aerial, OSP Fiber cables shall be made of an indoor/outdoor/plenum rating where transitions are required from buildings.
- Contractor shall supply and install the transmission media and terminating hardware to provide interconnection between the MC and each TR in a star topology.
- All cable routes to be approved by project manager prior to installation.
- Riser and tie cables shall be extended between TR’s utilizing the interflow conduit sleeves.
- Contractor shall observe the bending radius and pulling strength requirements of all backbone cables during handling and installation.
- Contractor shall supply and install the transmission media and terminating hardware to provide inter-building communications facility.
- All cable routes to be approved by project manager prior to installation.
- Contractor shall supply OSP copper cable, OSP optical fiber cable and electrical protection devices that will prevent electrical surges on the cable from entering buildings.
- All buried and underground conduits are required to contain a Tracer wire (pull rope, pull string, etc.) in the conduit. Service Entrances must be recorded as part of the As-Builts for future spotting references.
- Aerial cable will consist of U/V rated Category Cat 5e/6, or U/V rated fiber optic cable.
- Use self-supporting cable rather than lashed cable if : (1) It is available in the required size, (2) there is no existing strand for voice and data, (3) new cable cannot be lashed to existing cable unless approved by an APS representative, and (4) adequate space exists for growth.
- Aerial connecting hardware and enclosures must be UV and NEMA4 rated.
- All clearances and separations must meet NEC and local codes. NO contractor will install any cable on the roof/s of any APS facilities, or make any roof penetrations unless given written permission by M&O.
- The fiber cable runs will include a 10-foot Service loop at each distribution closet and/or point.

Fiber Specifications:

1. 50 micron Multi-mode Fiber

10 Gigabit bandwidth capacity

300 meters (984 ft) maximum distance

LC, SC type terminations and connectors

2. 62.5 micron Multi-mode Fiber

1 Gigabit bandwidth capacity

220 meters (720 ft) maximum distance

LC, ST or SC type terminations and connectors

3. Single-mode Fiber

10 Gigabit bandwidth capacity

40 kilometers (approx. 25 miles) maximum distance

LC, ST or SC type terminations and connectors

Wireless Specifications: Wireless Access Points (WAPs) and Wireless Controllers shall be installed based on District standards and in compliance with IEEE's 802.11a, b,g,n,ac Wireless Networking standards. Access Point shall be powered based on IEEE's 802.3af or 802.3at Power-over-Ethernet Standards as determined by APS It Dept. Physical locations and number of Access Points will be designated from the Data Communications Division and mounted typically 96" AFF, or not to exceed 10' in height. Access Points mounted in gymnasiums must be housed in a protective, non-metallic, wireless enclosure. WAP's are to be labeled, asset tagged according to APS / District IT standards.

Pathways: In suspended ceiling and raised floor areas where duct, cable trays or conduit are not available, the Contractor shall bundle, in bundles of 50 count or less, station wiring with cable ties snug, but not deforming the cable geometry. Cable bundles shall be supported via "J" hooks (OR Erico CAT425 saddles or equivalent) attached to the existing building structure and framework at a maximum of five foot (5') intervals. The contractor shall adhere to the manufacturer's requirements for bending radius and pulling tension of all data cables.

Cables shall not be attached to or supported by fire sprinkler heads or delivery systems or any environmental sensor located in the ceiling air space. Cables shall not be attached or lift out ceiling grid supports or load directly on the ceiling grid. Plenum-rated cable ties shall be used in all appropriate areas.

Aerial pathways shall consist of rigid conduit masts and 30' utility poles, not to exceed a span of 75,' and wedge clamps as secure attachments to aerial messengers.

Portable Buildings: Network connections to Portable classrooms and offices shall be based on an aerial fiber service entrance in a star-distribution topology with a Quick-Disconnect Industrial connector. In rare cases, a wireless bridge may be specified. The following is a list of specifications for the Quick-Disconnect Industrial connector and fiber backbones:

BID # 15-DD Network Equipment and Installation Services

<u>Part#</u>	<u>Manufacturer w/ Description</u>
TBD	OCC (Optical Cable Co.), LC, MM Industrial plug
TBD	OCC, LC, MM Industrial outlet
TBD	OCC, Outlet Dust Cap
TBD	OCC, Plug Dust Cap
OC-040818-01	OCC, 2 strand, 62.5 Multimode Fig. 8, w/ Blue jacket
BX__-WLS-900-OFNR	OCC, Multi-strand, Indoor/Outdoor/Plenum rated

Equipment Racks and Enclosures: The equipment racks shall be made of lightweight steel and include mounting hardware. Enclosures shall be lockable, vented, include fan kits (50 cfm max per fan), and mounted in compliance with NEC clearance codes and ANSI/EIA/TIA mounting standards. All racks shall be grounded to the isolated ground bar within the TR / ER using a standard ground lug and #6 jacketed green cable. Contractor may install electrical receptacles as required to power up Networking Equipment in MDF and IDF enclosures. Refer to APS Standards Manual

Administration: Identification All cables and conduits shall be labeled by the contractor at each exposed point or end with a unique identifier and a description of the cable function to ease individual cable tracing based on ANSI/EIA/TIA 606A and District's standards. Labels shall be permanent, waterproof, and readable from one foot with permanent lettering and shall not be removable by normal cable handling or normal operations.

As-Builts Requirements

Contractor is required to provide As-Built drawings at the completion of each project. They must be of professional quality, capable of being reproduced and with reasonable archival standards. As-builts shall be delivered within 10 working days after project completion. Hand-drawn As-builts are not acceptable. Upon completion of the project, paper and electronic copies of the As-builts are to be provided to the Data Communications Division, as well as a hard copy to the Site Technology Coordinator. As-builts are required to be drawn in the latest version of autodesk's AutoCAD software and comply with the United States National CAD Standard as follows:

- ES - Electrical Site Plan - Details include Telecommunications pathways and spaces; Conduits, pull boxes, underground boxes, sleeves, masts and utility poles.
- TN-DATA, Telecommunications Network Layer - Details physical locations and labeling for all IP devices, including network drops, MDF, IDF's, wireless access points, cameras, intercom, mechanical and electrical and backbones.
- Labeling compliance with ANSI/EIA/TIA 606A standards and District standards
- Electronic As-builts will be sent as a complete set which include both the .dwg and .dxf formatted files

Grounding and Bonding Requirements: The contractor shall be responsible for providing an approved ground at all newly installed distribution frames, and or insuring proper bonding to any existing facilities. The contractor shall also be responsible for ensuring ground continuity by properly bonding all appropriate cabling, closures, cabinets, service boxes and framework. All grounds shall consist of #6 AWG copper wire and shall be supplied from an approved building ground and bonded to the main electrical ground. Bonding and grounding shall be in compliance with the NEC and ANSI/EIA/TIA 607 standards.

When required by local code, provide a Telecommunications Bonding Backbone utilizing a #6-AWG or larger bonding conductor that provides direct bonding between equipment rooms and telecommunications closets. This is part of the grounding and bonding infrastructure (part of the telecommunications pathways and spaces in the building structure), and is independent of equipment or cable.

Fire stopping and Penetration Sealants: Sealing of openings between floors, through rated fire and smoke walls, existing or created by contractor for cable pass through shall be the responsibility of the contractor. Any openings created by or for the contractor and left unused shall also be sealed as part of this work. All sealant materials will be installed according to manufacturer's directions and recommendations. No foam sealants are to be used.

Provide UL and ATSM approved fire stopping systems to restore fire ratings to all wall or floor or ceiling penetrations. Contractor must provide certification of such fire stopping along with as-builts indicating the locations of such penetrations.

The fire rating of the penetration seal shall be at least that of the floor or wall into which it is installed, so that the original fire rating of the floor or wall will be maintained as required by Article 300-21 & 22 of the NEC. Sealing of annular space of conduits is also required.

The sealant shall remain resilient and pliable to allow for the removal and/or addition of cable without the necessity of drilling holes. It shall adhere to itself in order to allow any and all repairs to be made with the same material. It shall allow for vibration, expansion and/or contraction without affecting the seal, cracking or crumbling.

Cable Testing: Contractor will provide a cable certification from the manufacturer based on their warranty period, as proof that the system is fully operational. If at any time during this period, cable or workmanship should be defective, the contractor will repair or replace in a timely manner at no charge to the District. The above-referenced certifications must be delivered to APS no later than 30 days after completion of the project. Test equipment manufacturers may include only Wirescope or Fluke. The contractor shall perform the cable tests for all cables specified as follows unless otherwise noted or approved by the owner:

Category 5e/6, UTP cables

- All installed cable will be Channel and Permanent Link tested determining continuity, shorts, reversed pairs, split pairs, attenuation, return loss, NEXT, PSNEXT, ACR, PSACR, ELFEXT and PSELFEXT. The continuity of all grounds and bonds will also be tested.
- All of the installed station cables shall be tested for attenuation loss at 100 MHz and results reported in dB.
- Test 100% of all the station cable runs and provided patch cables for the correct jack pin terminations as specified.

Fiber Optic Cables

- All multi-mode fiber optic tests will be performed at the 850nm and 1300nm windows in both directions. All single mode fiber optic tests will be performed at the 1300 and 1550nm windows in both directions.
- All connectors will be tested and the loss measured in dB, connectors will have a loss of 0.5 dB or less to be accepted.
- All fiber optic links will be tested and the loss measured in dB/KM.
- All fiber optic links will be tested with an Optical Time Domain Reflectometer (OTDR) and a hard copy of the display screen shall be provided by the contractor to the owner for each link.
- The length of each fiber optic link shall be recorded.
- End to end testing is considered to be from the equipment end through the cross-connect to the terminal end.
- After testing is completed all circuits will be restored to their pre-test state (reconnected, re-terminated, etc.).

Refer to the APS Standards Manual

Reports and Certifications: The contractor shall be responsible for recording and providing to the owner all test data. Copies of all test results are to be submitted to the Data Communications Division in an electronic format and delivered via email. For all fiber optic cables within the required distance, a printout from an Optical Time Domain Reflectometer (OTDR) will be provided and correspond to a labeled fiber cable. All twisted pair copper cable must have an output of the test results with the station ID assigned.

Electronics: List of equipment to be installed per the Scope of Work provided.

***Switches:**

- | | |
|------------------------------|--------|
| 1. HP 5120-48G-POE+ | JG237A |
| 2. HP 5120-24G-POE+ | JG236A |
| 3. HP X120 1G LX SX TRANSCVR | JD118B |
| 4. HP 2530-8G-POE+ | J9774A |
| 5. HP X121 1G LX SX TRANSCVR | J4858C |

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*Wireless Access Point:

1. Product Number: J9590A HP MSM460 Dual Radio 802.11n AP
2. Product Number: J9845A HP 560 Wireless 802.11ac (AM) AP

*Note: Equivalent or latest model as approved by APS IT Department

Refer to the APS Standards Manual

Cabling & Infrastructure Scope of Work (By School Site)

Wireless Access Installations District-Wide. Cabling and infrastructure upgrades where required. The contractors will walk through and bid on the four listed schools and the awarded contractor will then proceed with pricing out the remaining schools listed below based on the number of Wireless Access Points (WAPs) that are specified. The format pricing will help determine the cost of the other chosen schools listed. The award will be based off of a grading matrix.

Albuquerque Public Schools – Elementary School

Bandelier ES

- Upgrade Wireless Network (Unapprised) to each classroom per District Standards as follows - (IDF 2.0) Install 1- Drop, 1 - WAP; (Sub-IDF 2.02): Install 1- Drop, 1 - WAP, 1 - Inline P/S; (IDF 3.0): Install 5- Drops, 5 - WAP's; (IDF 4.0): Install 5- Drops, 5- WAP's; (IDF 5.0): Install 1- Drop, 1 - WAP; (IDF 6.0): Relocate Drop 6.0-1-03, Install 1 - WAP; (IDF 7.0): Install 4- Drops, 4 - WAP's; (IDF 8.0): Install 1 - 24 Port P/P, 1 - HP 5120-48G-POE+, 4- Drops, 4 - WAP's, Update As-Builts.

Albuquerque Public Schools – Middle Schools

Eisenhower Middle School

- Upgrade Wireless Network (Unapprised) to each classroom per District Standards as follows - (IDF 3.0): Install 1- Drop, 1 - WAP, (.30 - Port 48); (IDF 4.0): Install 3- Drops, 3 - WAP's, (Ports 1,3,5); (IDF 5.0): Install 7- Drops, 7 - WAP's, (.51 - Ports 39 - 45); (IDF 6.0): Install 1- Drop, 1 - WAP, 1 - Inline P/S, (.60 - Port 46); (Sub-IDF 7.01): Install 1- Drop, 1 - WAP, (Port 28); (IDF 8.0): Install 7 - Drops, Relocate Drop 8.0-1-32, 8 - WAP's, (Ports 41-47); (IDF 9.0): Install 1 - 24 Port P/P, 1 - 5120-48G-POE+, 7 - Drops, 7 - WAP's, (Ports 40-46); (IDF 10.0): Install 2 - Drops, 1 - WAP, (Ports 11 - 12), (1 WAP - onsite); (IDF 12.0): Install 4- Drops, 4 - WAP's, (.121 - Ports 43 - 46); - 33 additional, 1 onsite - 34 total) Update As-Builts.

Madison Middle School

- Upgrade Wireless Network (Leviton / CommScope) to each classroom per District Standards as follows - (MDF): Install 1 - 5120-24G-POE+ (Surplus), 1 - Direct Connect Cable (Surplus), 3 - Drops, 3 - WAP's, (Ports 24-26); (IDF 2.0): Install 1 - 5120-48G-POE+ (.21), 1 -

BID # 15-DD Network Equipment and Installation Services

24 Port P/P, 12 - Drops, 12 - WAP's, (Ports 35-46), 60 - 2' Patch Cords; (IDF 3.0): Install 2- Drops, 2 - WAP's, 2 - Inline P/S's, (Ports 21 - 23); (IDF 5.0): Install 1- Drop,1 - WAP, 1 - Inline P/S, (.50 - Port 24); (IDF 6.0): Install 1 - 5120-48G-POE+ (.60), 3 - Drops, 3 - WAP's, (Ports 41-46); (IDF 7.0): Install 1- Drop, 1 - WAP, 1 - Inline P/S, (.70 - Port 14); (IDF 10.0): Install 1 - 5120-48G-POE+ (.102), 1 -24 Port P/P, 8 - Drops, 8 - WAP's, (Ports 35-46), (IDF 13.0): Install 1 - 5120-48G-POE+ (.130), 6 - Drops, 6 - WAP's, (Ports 37-46), (Sub-IDF 13.01): Install 1- Drop, 1 - WAP, 1 - Inline P/S, (Port 9); - 37 total) Swap our existing WAP patch cords to yellow patch cords Update As-Builts. Provide and install 8 new 48-Port Patch Panels

Albuquerque Public Schools – High School

Eldorado High School

- Upgrade Wireless Network (Uniprise) per District Standards as follows - (MDF): Install 1 - HP MSM 460 WAP; (Sub-IDF 1.01): Install 2 - HP MSM 460 WAP's; (IDF 3.0): Install 12 - HP MSM 460 WAP's; (IDF 5.0): Install 14 - HP MSM 460 WAP's; (IDF 7.0): Install 2 - HP MSM 460 WAP's; (Sub-IDF 7.01): Install 3 - HP MSM 460 WAP's; (Sub-IDF 7.02): Install 3 - HP MSM 460 WAP's; (Sub-IDF 7.03): Install 1 - HP MSM 460 WAP; (Sub-IDF 7.04): Install 3 - HP MSM 460 WAP's; (IDF 9.0): Install 9 - HP MSM 460 WAP's, 1 - 24 Port P/P; (IDF 10.0): Install 8 - HP MSM 460 WAP's; (IDF 12.0): Install 11 - HP MSM 460 WAP's; (IDF 13.0): Install 2 - HP MSM 460 WAP's; (IDF 14.0): Install 1 - HP MSM 460 WAP; Update As-Builts.

Albuquerque Public Schools CONTRACTOR SCORING MATRIX – Cabling and Infrastructure

Albuquerque Public Schools will use a 150 point scoring matrix to evaluate all submitted quotes. Please provide the information below.

TOTAL PRICE FOR E-RATE ELIGIBLE SERVICE 150 Points Total

Cost: Scoring shall be based on total cost for E-Rate eligible services.

Evaluation Points Summary

The following is a summary of evaluation factors and the maximum point values assigned to each. These will be used in the evaluation of each Offeror’s proposal submitted.

	Factor	Points
	Mandatory Specifications	
1.1	Past Experience: Vendor shall provide detailed documentation of actual previously completed example projects of comparable size and complexity. All documentation, including logical and physical design maps shall be included, and should demonstrate the level of installation. Photographs desired. Past experience with District will also be included.	15

BID # 15-DD Network Equipment and Installation Services

1.2	References: The ability to complete, manage and correctly bill projects is important to APS. Please provide proof of successful projects via customer references. APS requires four (4) references from customers where the Offeror provides similar E-Rate projects and SLD billing equal to or near the price provided in the vendor's response to this solicitation. Please include SPIN #, project type, project total, distance from home office, named contacts including telephone numbers and E-mail addresses. All references will be verified	10
1.3	Contractor Profile: Write a brief history of your company that includes its philosophy of doing business. Generally, APS will not accept a proposal from a business less than three (3) years old or which has failed to establish a proven record of business in similar environments. APS will not accept a proposal from a business that has no track record of providing said Priority Two services under the E-rate program. Fill out in its entirety the Form W-9 which will be supplied by the District with this 470 Form.	10
1.4	Employee Resumes: Provide a resume of every employee that will be assigned to APS. Resumes must include work history, licenses and certifications.	15
1.5	E-rate Experience: Contractor shall provide documentation indicating their knowledge of, and ability to, work within the E-rate environment to successfully maximize funding opportunities for the District and ensure the earliest possible project completion. Verifiable documentation shall be provided demonstrating that the proposed service is eligible for funding under E-Rate Priority Two. Such documentation shall reflect the vendor's previous experience providing similar services under Priority Two. Vendor shall provide a position statement on how they will deal with late FCDL (Funding Commitment Decision Letters) or funding denial in future years of the contract.	15
1.6	E-Rate Eligible Cost: Material and Labor	45
1.7	Compliance with Technical Standards: As stated above the District has standardized on certain networking electronics and is giving preference to vendors that provide solutions that fully adhere to the District's standards for equipment.	15
1.8	CommScope Certified Partner: As state above the District desires to utilize a CommScope Certified Partner, primarily for warranty purposes, and preference is being given to Offerors that meet this requirement.	15
1.9	E-Rate Ineligible Cost: Material and Labor	10
	Total Points	150

Asset Report

Selected vendor must provide a detailed asset report using the system and format as specified by the District that will include but not be limited to labeling, tagging, and reporting of asset to ensure compliance with District and E-rate Asset Control/Tracking Procedures. Label to contain WAP ID, Year of e-rate purchase, ID number, detailed location (Rm 101, West Hallway #3 of 7, etc.) Report to District would contain all of the above including purchase order number, serial number(s), asset tag number by each site.

Sample Report

SCHOOL: Sample HS		Albuquerque Public Schools				
E-Rate Year: 2015		SAMPLE INVENTORY SHEET				
Date: 1-29-15						
Make	Model	Part#	Serial#	Physical Location	Network Location	Telecom Outlet Location
HP	HP5800G 24 SFP	JC103A	CN14BFR029	Office A118	MDF1.0	D6.0-101
HP	HP A5500 48G SI	JD370A	CNOBB9M01	Office A118	MDF1.0	D1.01-87
HP	HP A5500 48G	JD372A	CN07B9P02Z	Office A118	MDF1 0	D7.0-1-08
HP	HP A5500 48G	JD372A	CN07B9POOJ	Hall H110	IDF2.0	D1.02-88
HP	HP A5500 24G	JD371A	CNOBB9NOO	Library	IDF3.0	D1.0-1-06
HP	HP A5500 24G	JD371A	CNOBB9NOO	Cafeteria	IDF4.0	D1.02-2-04
HP	E-MSM422	J9358B	SG1049K03T	Computer	1.0-1-14	D1.0-1-06
HP	E-MSM422	J9358B	SG1049K059	Room 213	1.0-1-43	D8.0-1-21
HP	E-MSM422	J9358B	SG0509K06P	Room 203	1.0-2-49	D1.03-1-32
HP	E-MSM422	J9358B	SG1049K04T	Room 214	1.0-2-71	D1.08-1-15
HP	E-MSM422	J9358B	SG0509K112	Room 104	2.0-1-03	D1.06-1-11
HP	E-MSM422	J9358B	SG1049K03G	Room 112	2.0-1-16	D1.07-1-01
HP	E-MSM422	J9358B	SG1049KOGS	Staff Lounge	3.0-1-15	D1.08-1-07
HP	E-MSM422	J935BB	SG1049K037	Cafeteria	4.0-1-13	D13.0-1-04

Contractor Required Pricing Format

1.6	E-Rate Eligible Cost: Material and Labor	45 pts.
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Quotes based on the following:

The Scope of Work identified in the attached E-rate Scope of Work.

Information provided at the Pre-bid meeting

Refer to APS Standards Manual

A Bill of Materials, broken down by task as below, **must** be included in this quote.

1. Project Tasks – E-Rate / Cost per Cat5e / 6 drop. Est.

Labor Cost	\$
Material Cost	\$
<u>Total Tasks</u>	<u>\$</u>
Tax	\$

2. Project Tasks – E-Rate / WAP Installation cost per unit. Est.

Labor Cost	\$
Material Cost	\$
<u>Total Tasks</u>	<u>\$</u>
Tax	\$

3. Project Tasks – E-Rate / Network Switch Installation cost per unit. Est.

Labor Cost	\$
Material Cost	\$
<u>Total Tasks</u>	<u>\$</u>
Tax	\$

BID # 15-DD Network Equipment and Installation Services

4. Project Tasks – E-Rate / Conduit Pathways- estimated cost. Est.

Labor Cost	\$
Material Cost	\$
<u>Total Tasks</u>	<u>\$</u>
Tax	\$

5. Project Tasks – E-Rate / 5400s molding per foot.

Labor Cost	\$
Material Cost	\$
<u>Total Tasks</u>	<u>\$</u>
Tax	\$

The District expects service providers will provide an Excel version of the Item 21 Attachments in the format approved by USAC and the FCC. Offerors must ensure they provide the current approved Item 21 Attachment from USAC in an excel format that can easily be uploaded into USAC's online system. The approved templates are available at <http://www.usac.org/sl/tools/forms/471-templates.aspx>.

Signed: _____ **Date:** _____

Printed Name and Title: _____

An authorized representative of the company must sign this Offer,

By signing, you have agreed to all terms and conditions of the Scope or Work herein.

*Note: APS assumes pricing submitted includes all labor and materials.

BID # 15-DD Network Equipment and Installation Services

APPENDIX A:

School Name	Class Rooms (not include portables)	Existing WAPs	Needed WAPS
ELDORADO HS	109	53	56
ATRISCO HERITAGE ACADEMY HS	126	71	55
LA CUEVA HS	98	43	55
SANDIA HS	117	64	53
Tony Hillerman MS	66	26	40
LBJ MS	63	27	36
JAMES MONROE MS	61	28	33
ALBUQUERQUE HS	97	68	29
JIMMY CARTER MS	64	37	27
WASHINGTON MS	41	17	24
NORTH STAR ES	34	12	22
ERNIE PYLE MS	58	36	22
GRANT MS	58	36	22
ROOSEVELT MS	42	21	21
GEORGIA OKEEFE ES	37	17	20
SUNSET VIEW ES	35	15	20
POLK MS	36	16	20
MADISON MS	53	34	19
Helen Cordero	35	17	18
JEFFERSON MS	46	28	18
LA MESA ES	37	20	17
MONTEZUMA ES	38	21	17
CORRALES ES	35	19	16
DOUBLE EAGLE ES	31	15	16
INEZ ES	38	22	16
ATRISCO ES	34	19	15
KENNEDY MS	39	24	15
McKINLEY MS	45	30	15
TAFT MS	39	24	15
A. MONTOYA ES	30	16	14
EDMUND G. ROSS ES	32	18	14
SUSIE RAYOS MARMON ES	37	23	14
SY JACKSON ES	32	18	14
DESERT RIDGE MS	56	42	14

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GARFIELD MS	36	22	14
HAYES MS	42	28	14
ACOMA ES	22	9	13
JOHN BAKER ES	29	16	13
MARY ANN BINFORD ES	48	35	13
OSUNA ES	26	13	13
Tierra Antigua	31	18	13
CLEVELAND MS	41	28	13
EISENHOWER MS	43	30	13
COLLET PARK ES	26	14	12
JOHN ADAMS MS	52	40	12
ALAMEDA ES	24	13	11
BEL-AIR ES	33	22	11
HODGIN ES	39	28	11
LONGFELLOW ES	21	10	11
DEL NORTE HS	97	86	11
ARMIJO ES	32	22	10
DURANES ES (E)	24	14	10
PAJARITO ES	32	22	10