

**PENN HILLS SCHOOL DISTRICT  
260 ASTER STREET  
PITTSBURGH, PA 15235  
(412) 793-7000**

**NOTE: Bid Opening Date – May 22, 2023**

SEND BID TO ATTENTION OF:

**MS. NAKITA LAPRADE, SUPERINTENDENT’S SECRETARY  
PENN HILLS SCHOOL DISTRICT  
260 ASTER STREET  
PITTSBURGH, PA 15235**

The Penn Hills School District does not discriminate on the basis of age, race, color, national or ethnic origin, sex, or handicap in employment practices or in administration of any of its educational programs and activities in accordance with applicable federal statutes and regulations. Mr. Robert Kolar has been identified as the Title VI/Title IX/Section 504/AMD Coordinator, Penn Hills School District, 260 Aster Street, Pittsburgh, PA 15235.

**DATE: April 27, 2023**

**ITEM(S) OR SERVICES BEING BID: Penn Hills School District Wireless  
Hardware and Services**

**INSTRUCTIONS TO BIDDERS AND GENERAL TERMS AND CONDITIONS**

1. All bids shall be SEALED AND ADDRESSED to: **The Penn Hills School District, Administrative Office, 260 ASTER STREET, Penn Hills, PA 15235, c/o Ms. Nakita LaPrade, Superintendent’s Secretary.**
2. All bids shall be delivered by the specified time in sealed envelope with a NOTATION ON THE FRONT of the envelope indicating “**BID: Penn Hills School District Linton Wireless Hardware and Services**”
3. Bids received prior to the time of opening shall be held unopened. No responsibility will be assumed by the district or its representatives for the premature opening of a BID NOT PROPERLY IDENTIFIED as stated in item 2 above.
4. ALL BIDS ARE DUE no later than **12:00 PM**, prevailing time, **May 22, 2023** and will be opened by the Superintendent’s Secretary at that time, at the Penn Hills School District Administrative Office, which is located at **260 ASTER STREET**. Bids may NOT BE HAND DELIVERED and the district is not responsible for any bid(s) which are not received either through registered mail or carrier service for which a receipt signature is required. **All bids delivered by U. S. Postal service or commercial delivery service must be received by 10:00 A.M. on the date of the bid opening. Any bids received after this date and time will be rejected.**

After recording the bids received, the bids will be referred to the appropriate administrative office for tabulation, review, and subsequent recommendations for Board action. Upon acceptance from the Board a Bid Contract Acceptance Sheet will be provided to the successful respondent for appropriate signatures. IT SHOULD BE NOTED THAT THIS SIGNED/DATED BID CONTRACT DOCUMENT ALONG WITH THE AFORE MENTIONED SIGNED/DATED BID CONTRACT ACCEPTANCE SHEET WILL BE THE CONTRACT OF RECORD FOR THESE SERVICES. NO ADDITIONAL ATTACHMENT SHEETS OR SUBMITTED SERVICE AGREEMENT/S FORMS SHALL CONTAIN LANGUAGE WHICH IMPLIES ADDITIONAL AND/OR DIFFERENT TERMS OTHER THAN WHAT IS IDENTIFIED WITHIN THIS BID CONTRACT DOCUMENT.

*Signature of representative authorizing the bid and confirming his/her authority to represent the above listed company in this matter:*

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*Signature*

\_\_\_\_\_

*Date*

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5. It is REQUIRED THAT BIDS BE SUBMITTED on this Penn Hills School District OFFICIAL FORM. All bids must be signed and dated on the bottom of each/every page by an authorized officer or agent submitting the bid. No other method of bid response will be accepted.

Each prospective bidder should print three (3) copies of the bid in its entirety. Three (3) original signed and dated copies of this bid contract document in its entirety must be submitted to the district on or before the identified deadline. Additionally, respondent is required to provide their perspective bid response in electronic format on three (3) USB drives. All hard copies of submitted bids must be presented in a 3-hole binder along with corresponding copies (3) of any/all additional materials submitted with the signed bid contract documents. All material must be 3-hole drilled. It should be noted that the bottom of each and every page of this bid contract document must be signed and dated to validate the respondent's proposal. In the event the bidder is awarded a purchase order for a successful bid, the bid/item number shown on the price submission portion of this document, will serve as a reference for completing the purchase order.

6. The bidder shall state their bid either typewritten or written in ink. In the case of bids that require both unit prices and extended prices, UNIT PRICES WILL GOVERN the extended bid, should an error in the extended be determined.
7. Bidders are required to bid on units, quantities, and services AS SPECIFIED. Failure to do so will result in rejection of the bid. The Penn Hills School District reserves the right to increase or decrease quantities/levels of service(s) throughout the term of this bid contract without penalty.
8. All bids shall EXCLUDE SALES AND EXCISE TAXES since The Penn Hills School District is exempt from paying such taxes. The district upon request, if required, will furnish exemption certificates after award of said bid contract(s).
9. The Board of School Directors reserves the RIGHT TO WAIVE any informalities, REJECT ANY AND ALL BIDS, or to accept or reject any item or groups of items.
10. The bidder agrees, if awarded a contract, to furnish and deliver the specified products or services, at such time, and in such places, and in such quantities as herein specified; and that all of the products or services provided shall be subject to inspection and approval of the district. In the event that any of the said products or services SHALL BE REJECTED AS UNSUITABLE, of not in conformity with these specifications, such products or services shall be obtained in proper conformity by the district through any option available to the district. Costs involved in such substitution, will be at the expense of the original successful bidder.
11. The bidder agrees that, contracts awarded by the district WILL NOT BE ASSIGNED, transferred, or sublet unless specific permission to do so is requested in writing and granted in writing by the district.
12. Delivered services can begin upon award of contract.
13. All business relating to bids shall be transacted IN SCHOOL DISTRICT OFFICES.
14. All vendors will receive EQUAL CONSIDERATION in the bidding procedures.

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15. Bids will be awarded to the BIDDER who MEETS SPECIFICATIONS, complies with all INSTRUCTIONS AND CONDITIONS (including the mandatory site walk-through), and demonstrates product superiority. PRICING will be the heaviest weighted consideration.
16. All bids must be at Pennsylvania prevailing wage and certified payroll.
17. When an upgrade in Technology and/or a change in regional market pricing for the specified services within this bid result in expanded service(s) and/or reduced pricing it is the vendor's responsibility to extend these benefits to the district throughout the length of this bid contract without challenge or additional costs.
18. The BIDDER SHALL be responsible for any damages to property caused by the BIDDER and/or their contractor(s)/agents. The bidder further covenants and agrees and does hereby ASSUME ALL LIABILITY for, and shall and does agree to indemnify and save harmless the Penn Hills School District against any and all loss, costs, suits, claims, charges, or damages arising from injuries sustained by mechanics, laborers, workmen, or by any person or persons whatsoever, to their persons or property, whether employed in or about the said work or otherwise by reason of any accidents, damages, or injuries, torts, or trespasses happening in and about, or in any way incident to or by reason of the performances of this contract and the performance of said work and labor, including costs, counsel fees, and all expenses of defense, and agrees to carry the usual Property Damage and Liability Insurance and to furnish certificates therefore, when required by the Penn Hills School District.
19. The BIDDER SHALL upon delivery be required to provide appropriate labels and data sheets for those substances identified as HAZARDOUS on the Pennsylvania Department of Labor and Industry Hazardous Materials List.
20. The bidder (if maintaining commercial or residential property) shall provide proof of current real estate tax payment to the district.
21. BID DEPOSIT required: NONE
22. The bid is expected to be awarded at the next scheduled voting Board Meeting. Purchase orders will be issued after the bid has been awarded.
23. A mandatory site walkthrough will be available for those parties considering bidding. The walk through will occur on **May 16th 2023 at 10 A.M. at:**  
  

**Penn Hills Linton Middle School, 250 Aster Street, Pittsburgh, PA 15235**
24. Attending the site walkthrough is mandatory in order to provide a bid response. Goal is for bidders to review site, any potential additional cabling needs, mounting hardware requirements and potential challenges.
25. Award successful bidder will be provided a list of the required clearances for on-site work that must be acquired for said bidder's staff/agents that will be working within the project building. Proof of acquisition of these clearances will be provided to the district before work commences on site.
25. Questions pertaining to this bid should be directed to Steve Mandarino at [phsdwireless@advanedgesolutions.com](mailto:phsdwireless@advanedgesolutions.com).

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**District Location for Services: Required Hardware, Licensing and Services**

Name	Address
<b>Linton Middle School</b>	<b>250 Aster Street, Pittsburgh, PA 15235</b>

***COMMENT: ALL EQUIPMENT PART #S, QUANTITIES AND PER-UNIT PRICING LISTED BELOW SHOULD BE REFLECTED IN THE VENDOR'S FORMAL QUOTE NOTING THE SPECIFICS OF THE ITEM NUMBERS NOTED BELOW.***

<p><b>WIRELESS ACCESS POINTS</b></p> <p><b><u>ITEM # 1.</u> (FOR CLASSROOMS @PROJECTED QUANTITY = 55 and OFFICE AREAS @PROJECTED QUANTITY = 25)</b></p> <p><b>WIFI 6E AP:</b></p> <ul style="list-style-type: none"> <li>• WIFI 6E Classroom use – Dual-radio Tri-band 2x2:2 802.11 ax, omni-directional down-tilt integrated antennas, integrated Bluetooth 5, 3.6 Gbps aggregate data rate, manageable by cloud controller and physical controller.</li> </ul> <p><b>* Must provide the appropriate mounting hardware for each WAP as needed for the specific surface that said WAP will be installed onto. Include the specific manufacturer's part # and pricing for the WAP and the corresponding mounting hardware needed.</b></p> <p><b>* 5-Year warranty minimum</b></p> <p><b>* 5-Year cloud-based management licensing</b></p>	<p><b><u>WAP SOLUTION PROPOSED:</u></b></p> <p>WAP PART #: _____</p> <p>MANUFACTURER: _____</p> <p>PRICE/UNIT: \$ _____</p> <p><b><u>MOUNTING HARDWARE:</u></b></p> <p>PART #: _____</p> <p>MANUFACTURER: _____</p> <p>PRICE/UNIT: \$ _____</p> <p>QTY NEEDED: _____</p> <p>VENDOR COMMENTS:                  _____                  _____                  _____</p>
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<p><b><u>ITEM #2:</u> (FOR HIGH-DENSITY ENVIRONMENTS @PROJECTED QUANTITY = 13)</b></p> <p><b>WIFI 6E AP:</b></p> <ul style="list-style-type: none"> <li>• WIFI 6E High-density – Tri-Radio 2:2:2 802.11 ax, omni-directional down-tilt integrated antennas, integrated Bluetooth 5, 3.9Gbps aggregate data rates</li> </ul> <p><b>* Must provide the appropriate mounting hardware for each WAP as needed for the specific surface that said WAP will be installed onto. Include the specific manufacturer’s part # and pricing for the WAP and the corresponding mounting hardware needed.</b></p> <p><b>* 5-Year warranty minimum</b>  <b>* 5-Year cloud-based management licensing</b></p> <p><b>NOTE: INITIAL PROJECTED HIGH-DENSITY AREAS INCLUDE CAFETERIA (4), GYM (1), AUDITORIUM (4), MEDIA CTR &amp; LGI (2 EA.); TECH PREP ROOM (2) AND POOL (1)...DUAL CAT.6 AT EA. LOCATION</b></p>	<p><b><u>WAP SOLUTION PROPOSED:</u></b></p> <p><b>WAP PART #:</b> _____</p> <p><b>MANUFACTURER:</b> _____</p> <p><b>PRICE/UNIT: \$</b> _____</p> <p><b><u>MOUNTING HARDWARE:</u></b></p> <p><b>PART #:</b> _____</p> <p><b>MANUFACTURER:</b> _____</p> <p><b>PRICE/UNIT: \$</b> _____</p> <p><b>QTY NEEDED:</b> _____</p> <p><b>VENDOR COMMENTS:</b> _____ _____ _____</p>
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<p><b><u>ITEM #3:</u> (FOR ULTRA HIGH-DENSITY ENVIRONMENTS @PROJECTED QUANTITY = TBD)</b></p> <p><b>WIFI 6E AP:</b></p> <ul style="list-style-type: none"> <li>Wifi 6E Ultra high density/high performance – Tri-radio 4x4:4 802.11ax omni-directional integrated antennas, integrated Bluetooth 5, w/ 7.8Gbps aggregate data rates</li> </ul> <p><b>* Must provide the appropriate mounting hardware for each WAP as needed for the specific surface that said WAP will be installed onto. Include the specific manufacturer’s part # and pricing for the WAP and the corresponding mounting hardware needed.</b></p> <p><b>* 5-Year warranty minimum</b>  <b>* 5-Year cloud-based management licensing</b></p> <p><b>NOTE: INITIAL PROJECTED HIGH-DENSITY AREAS INCLUDE CAFETERIA (4), GYM (1), AUDITORIUM (4), MEDIA CTR &amp; LGI (2 EA.); TECH PREP ROOM (2) AND POOL (1)...DUAL CAT.6 AT EA. LOCATION</b></p>	<p><b><u>WAP SOLUTION PROPOSED:</u></b></p> <p><b>WAP PART #:</b> _____</p> <p><b>MANUFACTURER:</b> _____</p> <p><b>PRICE/UNIT: \$</b> _____</p> <p><b><u>MOUNTING HARDWARE:</u></b></p> <p><b>PART #:</b> _____</p> <p><b>MANUFACTURER:</b> _____</p> <p><b>PRICE/UNIT: \$</b> _____</p> <p><b>QTY NEEDED:</b> _____</p> <p><b>VENDOR COMMENTS:</b></p> <p>_____</p> <p>_____</p> <p>_____</p>
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<p><b><u>ITEM #4:</u> (FOR OUTDOOR NEEDS @PROJECTED QUANTITY = TBD</b></p> <p><b>WIFI 6 AP:</b></p> <ul style="list-style-type: none"> <li>WIFI 6 High-performance/High-density outdoor – Dual Radio 2x2:2/4x4:4 omni-directional integrated antennas, integrated Bluetooth 5, 3Gbps aggregate data rates (Alternate Models available w/ directional antennas same general spec as the omni-antenna)</li> </ul> <p><b>* Must provide the appropriate mounting hardware for each WAP as needed for the specific surface that said WAP will be installed onto. Include the specific manufacturer’s part # and pricing for the WAP and the corresponding mounting hardware needed.</b></p> <p><b>* 5-Year warranty minimum</b></p> <p><b>* 5-Year cloud-based management licensing</b></p>	<p><b><u>WAP SOLUTION PROPOSED:</u></b></p> <p><b>WAP PART #:</b> _____</p> <p><b>MANUFACTURER:</b> _____</p> <p><b>PRICE/UNIT: \$</b> _____</p> <p><b><u>MOUNTING HARDWARE:</u></b></p> <p><b>PART #:</b> _____</p> <p><b>MANUFACTURER:</b> _____</p> <p><b>PRICE/UNIT: \$</b> _____</p> <p><b>QTY NEEDED:</b> _____</p> <p><b>VENDOR COMMENTS:</b> _____ _____ _____</p>
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**ADDITIONAL BID SERVICES TO BE INCLUDED WITH RESPONSE**

1. **Heat Mapping** of site to identify any areas of potential signal/coverage challenge by providing a detailed, marked-up diagram. This will be leveraged by the Respondent to identify additional cable need to address coverage density.
2. **Cabling:** Coordinate any/the identified additional Cat.6 Cable runs needed with the Respondent's assigned 3<sup>rd</sup>-party cabling resource to address any additional cabling needs as verified by the Heat Mapping process/report noted above. **Include in your bid response a per-dual drop pricing for any such needs (which then can then be multiplied against confirmed quantities) or specific detailed service need by location. All newly installed runs are to be labeled at both ends adhering to District standards and tested.**
3. **Training and Support:** Training of staff on the new access points, controller and network monitor solutions (hardware & cloud-based must also be included in vendor's formal response as identified in items # 1-4).
4. **Guest Network:** Set up of new wireless network must include the establishment of a secured guest network. Please state your confirmation of addressing this bid requirement along with the other bid service scopes/pricing within your formal response.
5. Testing of newly installed wireless network to ensure seamless transition of connectivity hand-off to devices that are mobile (i.e.: as device is walked through building site internally and externally).

**ADDITIONAL BID RESPONSE REQUIREMENTS TO BE FOLLOWED**

1. All work performed under Pennsylvania prevailing wage and certified payroll
2. All labor comes with 5-year warranty on workmanship
3. Must have previous K-12 experience installing wireless infrastructure solutions in diverse building utilization environments consisting of classrooms, common room areas, offices, outdoor access zones, hallways, etc. **Include 3 references and contact information of where similar project engagements have been implemented.**
4. Respondent must provide details within their response that details equipment availabilities, expected delivery windows and proposed project completion upon receipt of all equipment components.

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*Signature*

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*Date*