RFP Wireless 2024

Picayune School District

706 Goodyear Blvd.
Picayune, MS 39466
Phone: (601) 798-3230
Fax: (601) 798-1742

www.pcu.k12.ms.us

The Picayune School District (PSD) desires to purchase cabling, firewall, switches, UPSs, and wireless access points to make all schools campuses Wi-Fi accessible.

Selection Schedule

Questions must be submitted via email to: jwheat@pcu.k12.ms.us

RFP Released	**February 23, 2024**
Final Day for Questions	**March 18, 2024**
Response Deadline – Bids Close	**March 21, 2024 10:00am**
Bid Opening	**March 21, 2024 11:00am**
Contract Award by Board of Trustees	**March 22,2204**

Submit Sealed Proposal and Supporting Documentation to:

Picayune School District
Lisa Persick Finance Director
706 Goodyear Blvd.
Picayune, MS 39466

Note:

No faxed or emailed proposal will be acknowledged or allowed.   Sealed proposals should be clearly marked "**Sealed Bid**" "**RFP Wireless 2024**".   Mail or hand deliver to the address listed above.   Proposals received after the deadline will be rejected.

Please submit (2) printed copies of proposal and one electronic copy on CD,DVD or USB.

Vendors must also include a printed copy and electronic copy of the completed Excel spreadsheet with their proposal response.

RFP Specific Response Requirements

Bidders must submit a description of their company's experience, qualifications, and the technical certifications of the personnel responsible for completion of the project.   This should be no more than one page.

Bidders must submit the names and contact information for three customers who can provide specific references for the installation of building-wide Wi-Fi installations of Meraki or equivalent hardware and infrastructure.

CRITERIA FOR SELECTION
PSD will utilize the following criteria as the basis for the proposal evaluations and selection:

- Price of goods and services
- Preference will be given for prior positive experience with the Vendor
- Preference will be given to a Mississippi based Vendor
- Preference will be given for Vendors proposing devices (access points, switches, security cameras and firewall) of the same manufacturer

CONTRACT TERMS
The initial term of the contract term will begin July 1, 2024 and end September 30, 2027.   Contract should provide for extensions to align with service delivery deadline extension approvals granted by the Universal Service Administrative Company (USAC).   **Initiation of the contract is dependent on E-Rate funding and PSD funding; in the event E-Rate does not fully fund the project or insufficient PSD funds then the contract will be null and void.   The district reserves the right to waive the ERATE funding requirement.**

RESERVATION OF RIGHTS
The District expressly reserves the right to:
(a) Reject or cancel any or all proposals;
(b) Waive any defect, irregularity or informality in any Proposal or Proposal procedure;
(c) Waive any informalities, minor deviations from specifications at a lower price than other proposals meeting all aspects of the specifications if it is determined that total cost is lower and the overall function is improved or not impaired;
(d) Extend the Proposal opening time and date;
(e) Reissue a Proposal invitation;
(f) Consider and accept an alternate Proposal as provided herein when most advantageous to the District
(g) Cancel the contract with a thirty day written notice; and
(h) Procure any item or services by other means
(i) Modify quantities and/or configuration requirements

BID SUBMISSION-EXCEL SPREADSHEET TEMPLATE REQUIRED

Vendors shall use the Excel spreadsheet provided as part of this RFP to complete their response. All columns defined in the spreadsheet must be completed. Zero (0) should be entered in any column for which there is no cost. Vendors may add columns if they deem it necessary to provide accurate cost information. Vendors may add rows if there is an additional item needed for the suggested solution. No columns or rows may be deleted. Any rows or columns added should be highlighted and explained with supporting documentation. Vendors must include a printed copy and electronic copy of the completed Excel spreadsheet with their proposal response. Excel spreadsheet is to be used as guidance only and quantities have been set per PSD but may change at the discretion of PSD.

Bidders must provide the E-rate eligible portion (0% - 100%) of all items. Bidders must read and understand the FCC E-Rate Eligible Services List for FY2024 - https://docs.fcc.gov/public/attachments/DA-23-1171A1.pdf - and know the product E-Rate eligibility per the manufacturer for any item submitted for bid by the service provider.

References to brand names, model numbers, or other descriptions are made to establish a required level of quality and functional capabilities and are not intended to exclude other manufacturers. Comparable products of other manufacturers will be considered if proof of comparability, equivalence, and compatibility is contained in the proposal. Vendors, if proposing other than specified, are to clearly identify the manufacturer and the model number and must provide written, complete justification as to how the product complies with all specifications outlined within this RFP and how the product integrates with existing devices as well as the complete list of manufacturer published specifications related to the requested products. It shall be the responsibility of the bidders to furnish descriptive literature with their proposal such that specifications, catalog pages, brochures or other data will provide an adequate basis for verifying the quality and functional capabilities of the product offered. Failure to provide this data will be considered valid justification for rejection of the proposal.

In order to ensure compatibility and common configuration/management platform, preference will be given to the bidders whose devices (access points, switches, security cameras, and firewall) are of the same manufacturer.

Unless otherwise specified, vendors shall provide everything required to make the devices, software, appliances, installation, etc. 100% operational. This includes but is not limited to patch cables, connectors, dongles, mounting hardware, etc.

E-RATE COMPLIANCE

It is expected that the awarded service provider shall be in compliance with rules and regulations of the Universal Services Support Mechanism for Schools and Libraries ("E-Rate Program") administered by the Universal Service Administrative Company (USAC). All charges for services provided should be billed and invoiced to both the District and SLD following USAC's invoicing procedures for E-rate funding year 2024.

The Service Provider is responsible for providing a valid 498 ID (formerly known as a SPIN) at the time the bid is submitted.

The service provider is responsible for providing an FCC Registration Number with their proposal and evidence of being in green light status. See: https://fjallfoss.fcc.gov/coresWeb/publicHome.do

No later than July 1, 2024, the awarded service provider must file a Service Provider Annual Certification Form (SPAC-Form 473) for E-Rate funding year 2024.

All Service Providers will be responsible for procuring the approved E-rate discount amount from USAC using the Service Provider Invoicing ("SPI"- Form 474) method unless otherwise directed by the District. The District may utilize the reimbursement (Form 472) method at its sole option.

In the event of questions during the E-Rate program integrity assurance (PIA) review process, the successful service provider is expected to reply within 3 business days to questions associated with their proposal.

The awarded service provider(s) must agree to retain all relevant documentation related to the E-rate funding requests associated with their SPIN for a period of at least TEN years after the last day of service delivered. Furthermore, the awarded service provider must certify that they will retain all documents necessary to demonstrate compliance with the statute and Commission rules regarding the application for, receipt of, and delivery of services receiving schools and libraries discounts, and that if the District is audited, the service provider will make such records available to the District. All awarded service providers acknowledge that they may be audited pursuant to participation in the schools and libraries program.

DISQUALIFICATION:
Any potential bidder found to be in Red-Light Status will be disqualified from participation in the bidding process and will be considered non-responsive.

Failure to provide a valid 498 ID (formerly known as SPIN) and FCC Registration Number will result in disqualification of bid awards for E-Rate eligible goods and services.

Installation Requirements

- The selected vendor must be able to meet onsite with the PSD IT staff to complete a schedule and scope of work before installations can begin. Vendor will coordinate with PSD to schedule deployments of hardware in such a way as to minimize the impact on network users.
- If PSD elects, vendor will deliver all equipment to the PSD Technology department to have asset tags affixed if necessary.   PSD will coordinate with the vendor to schedule the delivery and installation. Vendors are expected to pick up devices from the PSD Technology department for delivery to school locations as scheduled.
- Vendor will remove and dispose of all packaging and miscellaneous materials left over from any part of the installation and place all trash in an identified on-site dumpster or taken by the vendor to an off-site location.   PSD personnel will not dispose of any packing materials.
- All additional cables, connectors, screws, labor, miscellaneous plug parts, modules, etc. needed to make the wireless access points 100% operational should be included in the installation cost and provided by the vendor. Any costs not outlined in the vendor proposed budget that may be required for the successful completion of the installation of the devices are assumed to be provided by the vendor and at no cost to PSD.
- All cabling to make the access points and switches 100% operational shall be provided as part of the project. Cabling should be completed by certified technicians and meet all ANSI/TIA/EIA-568-B standards. Suitable wiring raceways, panduit, conduit and moldings to achieve a finished installation appearance must be used. All additional connectors, screws, labor, panduit, conduit, ties, hangers, jacks, cables, parts,

modules, etc. needed to make the cables connecting the wireless access points to the designated switch and/or patch panel in order to make the access points 100% operational should be included in the installation cost and provided by the vendor. Any costs not outlined in the vendor proposed budget that may be required for the successful completion of the installation of the devices are assumed to be provided by the vendor and at no cost to PSD.

- Hardware inventory will be provided to PSD by the vendor including but not limited to device model number, serial number, PSD asset tag number, MAC address, and location.

- Vendor will install and mount all switch components in the designated rack at each location. The vendor will provide all required rack mounting hardware needed for installation and mounting. Some location may need standard racks installed.

- Vendor will coordinate with PSD IT staff to install and configure all software, appliances, and any other applications required to make the Wi-Fi devices 100% operational. The vendor will provide training/knowledge transfer to PSD IT staff to demonstrate functionality of all devices and monitoring systems.

Technical Requirements and Item Descriptions

PSD desires to purchase Cisco Meraki or equivalent access points, firewall, and network switches for all MDF and IDF closets to provide campus wide Wi-Fi in all PSD schools.   PSD desires to purchase all cabling and hardware required for the successful completion of the project from a single provider.

As part of the installation, vendors shall include any and all SFPs, cables, brackets, mounts, etc. to make each switch and module 100% operational. Any costs not included in the installation required for the successful installation of the devices are assumed to be provided by the vendor and at no cost to PSD.

Specifications for devices or their equivalent are as follows:

- Solution must be compatible and/or equivalent with Cisco Meraki cloud architecture.
- Solution cannot include any "on-premise" management appliances, servers, or virtual machines.
- The wireless system must support a stateful application-layer firewall that can identify, classify, and prioritize applications using layer 7 intelligence.   Applications should be able to be traffic shaped as well to ensure that recreational applications (like Pandora, Spotify, etc.) do not consume all of the available bandwidth.
- The wireless system must include intuitive multi-site scalability and management.   Must be able to deploy multiple sites rapidly and monitor, manage and troubleshoot all sites from a single web-based interface. This includes being able to "clone" configurations of devices automatically, and easily re-assign assets to other network areas as needed.   This must be 100% GUI based, and no Command-Line (CLI) programming for any features is permitted.
- The wireless system must support the ability to fingerprint client device types (i.e. iPad, Android, iPhone, Windows, etc) and apply security settings to those devices, without the need for additional appliances or licenses.   For example: iPads on the Student SSID may have access to only the web and are rate limited to 512 kbps, and no peer to peer traffic is allowed.
- The wireless system must have commonly managed products (WLAN, Security Appliances, Access Switches, Integrated MDM) that allow for end-to-end deployment, monitoring, and troubleshooting from single pane of glass, and seamless expansion beyond the wireless network alone.
- The wireless system must support Bonjour gateway services to allow Airplay, printing, iTunes and other Bonjour-based services to flow seamlessly across the wireless network.
- The wireless system must support integration with Google Maps, with the ability to upload a custom floor plan and overlay it on the map.
- The wireless system must support the ability to easily replicate and clone configurations across multiple different sites using a single click.   Ideally, a configuration could be changed once and then replicated across multiple sites.
- The wireless system must support the ability to take a packet capture directly from the management interface. This packet capture should be able to filter based on client, IP address, and MAC address.
- The wireless system must support the ability to provide deep application visibility into all of the applications that are used on the wireless network, including hostname visibility to view the individual URLs of all of the applications.   This information should be exportable and downloadable on a per network and per SSID basis.
- The wireless system should have built in guest access and not require any additional appliances or licenses for guest users.

- The wireless system must have a way to open cases with support and monitor their status directly from the management console.

- The wireless system must include a tagging function to provide easy search-ability across our network, device types, and users with search "tagging" functionality.

- The wireless system must support the ability to send summary reports to certain administrators on a daily, weekly and monthly basis. These summary reports should show information like top users, top applications, bandwidth consumed per day, etc. These summary reports should be able to be sent on a per school basis, or aggregated for multiple schools using a tagging mechanism

- Solution must include a zero-cost, fully integrated Mobile Device Management platform capable of managing Apple iOS, Android, Windows, and Mac OSX devices all from the same common management interface as the WLAN, Access Switching, and Security Appliance products. MDM functionality must require no local hardware, software, or virtual machine appliance to operate, and must be 100% Cloud based for management, with the ability to assign policies via the management interface to different users, networks, and device types based on preferences.

- Examples of attributes include VLANs, firewall rules, and splash pages. Must be able to easily prioritize and/or throttle specific applications or application type. Group policies must be universally applicable to all network components (access points, switches, and security appliances).

- The wireless system must be PCI Compliant. Built-in Payment Card Industry (PCI) DSS Level 1 Certified compliance reporting and remediation wizard required.

- Solution must provide rich layer 7 application visibility and control, with a full heuristics-driven engine (Not TCP/UDP Port Based) for classification (e.g. Skype, BitTorrent, web traffic) and shaping of that traffic.

- Solution must include fully integrated client, device, and OS visibility, with ability to assign policies via the management interface to different users, networks, and device types based on preferences. Group policies must be universally applicable to all access points and switches. Management interface must be 100% GUI based, and no Command-Line (CLI) programming for any feature is permitted.

- Must maintain common management, inventory, and historical logging interface of existing network systems and new cloud based systems.

- Minimize any conflicts between existing and new wireless systems, and prevent any loss of coverage or operations with the existing wireless network.

- Wireless system must have built-in redundancy and reliability. Solution must be able to provide a 99.99% service level agreement, leveraging globally redundant cloud data centers.

- The wireless system must include a free of charge, web based management application. This application must be supported on both Apple iOS and Android mobile operating systems. This single mobile application must be able to do the following:
  - Monitor wireless, switching, and security infrastructure
  - See all wireless, switching, and security infrastructure network status and usage via easy to read graphs and tables
  - Receive push notifications for any network outages
  - Scan access point barcodes to facilitate adding them to the network
  - Utilize the mobile device's camera to photograph and document access point mounting locations
  - Pinpoint access point location using Global Positioning System (GPS)
  - Verify device and client connectivity using live tools like Ping, Traceroute, etc.
  - Remotely reboot devices without on-site staff intervention

- Quickly deploy group policies to clients that control L3/L7 firewalling, traffic-shaping, and content filtering
- Provide the capability to easily block clients from the network
- Be both PIN code and Password securable
- Provide easy access to Support Case management
- Be able to read device event logs remotely
- Show individual client Application Usage history (example - YouTube, Instagram, Facebook, etc.)

Cisco Meraki Licenses Requested:

Cisco Meraki MS225-24P Cloud Managed Switch License – 5 years
Part # LIC-MS225-24P-5YR
Quantity = 90

Cisco Meraki MS225-48LP Cloud Managed Switch License – 5 years
Part # LIC-MS225-48LP-5YR
Quantity = 22

Cisco Meraki MS350-24X Cloud Managed Switch License – 5 years
Part # LIC-MS350-24X-5YR
Quantity = 9

Cisco Meraki MX450 Cloud Managed Firewall License – 5 years
Part # LIC-MX450-ENT-5YR
Quantity = 1

Cisco Meraki MX68 Cloud Managed Firewall License – 5 years
Part # LIC-MX68-ENT-5YR
Quantity = 4

Cisco Meraki MS220-8P Cloud Managed Switch License – 5 years
Part # LIC-MS220-8P-5YR
Quantity = 21

Cisco Meraki Enterprise Access Point License – 5 years
Part # LIC-ENT-5YR
Quantity = 484

Additional Hardware Requested:

Cisco Meraki MR46 Cloud Managed Access Point compatible and/or equivalent with License. Licenses must include cloud services, software upgrades and support for 5 years.   Also quote optional installation.
Part Number: MR46-HW / LIC-ENT-5YR
Estimated Quantity = 484

Cisco Meraki MR76 Cloud Managed Access Point compatible and/or equivalent with License. Licenses must include cloud services, software upgrades and support for 5 years.   Also quote optional installation.
Part Number: MR76-HW / LIC-ENT-5YR
Estimated Quantity = 20

Cisco Meraki MS130-8P Cloud Managed Switch compatible and/or equivalent with License. Licenses must include cloud services, software upgrades and support for 5 years.   Also quote optional installation.
Part Number: MS130-8P-HW / LIC-MS130-CMPT-5YR
Estimated Quantity = 20

Cisco Meraki MS225-24P Cloud Managed Switch compatible and/or equivalent with License. Licenses must include cloud services, software upgrades and support for 5 years.   Also quote optional installation.
Part Number: MS225-24P-HW / LIC-MS225-24P-5YR
Estimated Quantity = 90

Cisco Meraki MS225-48LP Cloud Managed Switch compatible and/or equivalent with License. Licenses must include cloud services, software upgrades and support for 5 years.   Also quote optional installation.
Part Number: MS225-48LP-HW / LIC-MS225-48LP-5YR
Estimated Quantity = 22

Cisco Meraki MS250-24P Cloud Managed Switch compatible and/or equivalent with License. Licenses must include cloud services, software upgrades and support for 5 years.   Also quote optional installation.
Part Number: MS250-24P-HW / LIC-MS250-24P-5YR
Estimated Quantity = 25

Cisco Meraki MS250-48FP Cloud Managed Switch compatible and/or equivalent with License. Licenses must include cloud services, software upgrades and support for 5 years.   Also quote optional installation.
Part Number: MS250-48FP-HW / LIC-MS250-48FP-5YR
Estimated Quantity = 25

Cisco Meraki MS350-24X Cloud Managed Switch compatible and/or equivalent with License. Licenses must include cloud services, software upgrades and support for 5 years.   Also quote optional installation.
Part Number: MS350-24X-HW / LIC-MS350-24X-5YR
Estimated Quantity = 9

Cisco Meraki MX450 Cloud Managed Firewall compatible and/or equivalent with License. Licenses must include cloud services, software upgrades and support for 5 years.   Also quote optional installation.
Part Number: MX450-HW / LIC-MX450-ENT-5YR
Estimated Quantity = 1

Cisco Meraki MX68 Cloud Managed Firewall compatible and/or equivalent with License. Licenses must include cloud services, software upgrades and support for 5 years.   Also quote optional installation.
Part Number: MX68-HW / LIC-MX68-ENT-5YR
Estimated Quantity = 4

APC SMT1500RM2U UPS compatible and/or equivalent.   Also quote optional installation.
Part Number: SMT1500RM2U
Estimated Quantity = 40