

WASHINGTON COUNTY FREE LIBRARY
REQUEST FOR PROPOSALS RFP# WCFL_2026-NE
Network Infrastructure Turnkey Replacement

E-rate Category Two Internal Connections

Name of Proposal: Network Equipment / Network Infrastructure Replacement

Purpose: To replace WCFL firewalls/secure routers, switches, wireless access points, required five-year licensing, teleworker devices, and UPS power-backup systems with a complete, fully configured and operational turnkey solution.

Funding: WCFL intends to seek E-rate Category Two support for eligible portions of this procurement. Award and implementation remain subject to WCFL approvals and the funding provisions stated in this RFP.

1. RFP Overview and Procurement Intent

Washington County Free Library (WCFL) is soliciting proposals from qualified service providers to replace the Library system's existing network infrastructure. The project is intended as a complete turnkey replacement of the currently deployed Cisco Meraki-based network environment and associated UPS power-backup equipment. The successful vendor shall furnish all equipment, manufacturer licensing/subscriptions, accessories, optics, transceivers, stacking components, power supplies, mounting hardware, patching components, configuration labor, migration services, testing, documentation, training/knowledge transfer, removal of replaced equipment as directed by WCFL, and all other items necessary to deliver a fully functional production system.

WCFL currently uses centralized Meraki Dashboard management and intends to preserve or improve the existing operational model, including cloud management, centralized visibility, remote troubleshooting, site-to-site VPN, advanced security/content filtering, multi-site wireless management, switch stacking, and consistent policy administration. References to Cisco/Meraki and APC models establish a minimum required level of quality, functionality, interoperability, lifecycle suitability, and performance. Equivalent products may be proposed only under the equivalency requirements of this RFP.

2. Procurement Schedule

Milestone	Date
RFP Released	October 7, 2026
FCC Form 470 Posted/Certified	October 7, 2026
Final Day for Questions	October 21, 2026 at 5pm EST
Bidder Conference / Site Walkthrough	Mandatory meeting November 3, 2026 at 10am in Hagerstown Room 334
Response Deadline / Bids Close	December 1, 2026 at 5pm EST
Bid Opening	December 2, 2026
Evaluation of Proposals	December 2 – 10, 2026
Anticipated Award / Contract Execution	December 11, 2026
Anticipated Project Start	After E-rate approval, Spring/Summer 2027 or later as authorized by WCFL
Target Project Completion	July 1, 2027, subject to applicable USAC service-delivery deadlines and approved extensions

The FCC Form 470 and this RFP shall remain publicly available for at least the minimum competitive-bidding period required by E-rate rules. WCFL will not select a service provider or enter into a binding agreement before the applicable Allowable Contract Date.

3. Questions, Communications, and Submission Instructions

Questions: Questions must be submitted in writing to Ian Seibert at iseibert@washcolibrary.org. Allow approximately 24 hours for a response during normal business days. Material clarifications or changes that affect competitive procurement will be issued to all bidders by written addendum or other publicly available procurement notice as appropriate. Verify the latest RFP version prior to bid at the website referenced below.

Submit Proposal To: Washington County Free Library, Attn: Ian Seibert - RFP Proposals, 100 S. Potomac Street, Hagerstown, MD 21740. Proposals may also be submitted electronically to iseibert@washcolibrary.org.

This RFP and any updates/amendments are available on the WCFL website, www.washcolibrary.org/rfp

- When submitting a paper proposal, unless modified in the final release or by written addendum, submit one (1) original and one (1) copy of the complete proposal in a sealed envelope or package.
- When submitting a paper proposal, the outside of the package shall clearly identify the vendor, return address, RFP number, and proposal title.
- Faxed proposals will not be accepted
- Proposals received after the published deadline may be rejected as late and returned unopened to the extent permitted by applicable procurement rules.
- No bidder may rely on oral statements, interpretations, or instructions. Only the written RFP and written addenda are binding.

- Bidders are responsible for verifying that they have received and incorporated all addenda before submitting a proposal.
- Bidders may inspect publicly accessible branch locations at their convenience. Any requested access to nonpublic areas must be scheduled with WCFL IT staff at WCFL's convenience. No new permanent structured cabling is included in this project.

4. RFP Specific Response Requirements

1. Company experience and qualifications. Provide a concise description, no more than one page unless necessary, of the company's relevant experience with multi-site library, education, government, or comparable enterprise network deployments.
2. Technical personnel. Identify the project manager and key technical personnel, their roles, relevant manufacturer certifications, and experience with Meraki-managed/Catalyst switching, Wi-Fi 7, MX OS/Cisco Secure Router platforms, UPS installation, and E-rate Category Two projects.
3. References. Provide three (3) customer references for comparable multi-site network infrastructure installations, preferably Meraki or equivalent cloud-managed deployments. Include contact name, organization, phone, email, project scope, and approximate completion date.
4. Technical solutions and statement of work. Provide a complete narrative describing the proposed architecture, migration/cutover approach, stacking design, firewall HA design, wireless migration, licensing, UPS replacement, testing, documentation, and project schedule.
5. Bill of materials and pricing. Provide detailed line-item pricing for every hardware item, license/subscription, accessory, optic/transceiver, module, power supply, stacking component, UPS accessory, labor category, removal/disposal charge, freight, and any other charge. No required line item may be shown as free or \$0.00.
6. E-rate eligibility worksheet. Identify the eligible E-rate percentage (0%-100%) and ineligible amount for each product and service based on the Eligible Services List and manufacturer eligibility guidance applicable to the funding year.
7. Service Provider Identification Number. Provide a valid SPIN at the time of proposal submission for all E-rate eligible goods and services.
8. E-rate invoicing capability. State whether the vendor will support Service Provider Invoicing (SPI/FCC Form 474). SPI capability is preferred and will be scored higher, but it is not mandatory. The vendor must also support the documentation necessary for WCFL to use the Billed Entity Applicant Reimbursement (BEAR/FCC Form 472) method if WCFL elects to do so.
9. Subcontractors. Identify any proposed subcontractors and the work each will perform. No subcontractor may be substituted after award without prior written approval from WCFL. The awarded vendor remains fully responsible for all subcontracted work.
10. Deviations and exceptions. Clearly identify every requested exception, assumption, exclusion, substitute product, or deviation from the RFP. Silence will be interpreted as full compliance.
11. Manufacturer documentation. For any proposed equivalent or successor product, provide current manufacturer-published documentation and a written comparison demonstrating compliance with every mandatory requirement.
12. Project schedule. Provide a realistic installation schedule identifying planning, staging, branch cutovers, Hagerstown/Central cutover, acceptance testing, documentation, training, and final completion.
13. Warranty and support. Describe hardware warranty, advanced replacement/RMA, licensing support, escalation procedures, and post-installation support included in the proposal.

5. Proposal Evaluation and Scoring

WCFL will select the most cost-effective proposal in accordance with E-rate requirements and applicable state/local procurement requirements. The price of E-rate eligible products and services is the primary factor and is weighted more heavily than any other single factor.

Evaluation Factor	Weight	Notes
Price of E-rate ELIGIBLE goods and services	30%	Evaluated on eligible cost only; highest-weighted single factor.
Price of other/ineligible costs and total cost of ownership	10%	Includes ineligible items, freight, disposal, and other required costs.
Relevant experience / past performance / references	15%	Comparable projects and demonstrated successful delivery.
Personnel qualifications and professionalism	10%	Certifications, technical depth, project team, responsiveness.
Technical solution / turnkey compliance	10%	Conformance, interoperability, resiliency, completeness, acceptance approach.

Evaluation Factor	Weight	Notes
E-rate process support and SPI capability	10%	SPI support is preferred, not mandatory; includes documentation support and E-rate responsiveness.
Energy efficiency / operational savings	5%	Efficiency, lifecycle, maintainability, and power-management considerations.
Maryland-based company preference	5%	Applied only to the extent permitted by applicable procurement requirements.
Project management / implementation plan	5%	Schedule, cutover risk management, staffing, documentation, and communication.

Total: 100%. WCFL may verify references, request clarifications that do not provide an unfair competitive advantage and reject a proposal that is materially incomplete or non-responsive. If only one responsive proposal is received, WCFL may document a cost-effectiveness determination before award.

6. E-rate Compliance, Funding, Eligibility, and Invoicing

The project is intended for the Schools and Libraries Universal Service Support Mechanism (E-rate Program) administered by the Universal Service Administrative Company (USAC). The awarded service provider shall comply with all applicable FCC and USAC rules for the funding year.

- The Service Provider shall provide and maintain a valid SPIN for E-rate eligible goods and services.
- After WCFL files the applicable FCC Form 471 funding request, the awarded service provider shall timely file the Service Provider Annual Certification (SPAC/FCC Form 473) for the applicable funding year as required.
- The vendor shall identify the eligible percentage of every line item and shall understand the FCC Eligible Services List applicable to the funding year. Where a product or service includes both eligible and ineligible functionality, the vendor shall provide a reasonable and documented cost allocation.
- SPI invoicing (FCC Form 474) is preferred but not mandatory. If the vendor supports SPI, it shall apply the approved E-rate discount to WCFL invoices and seek the discounted portion from USAC in accordance with program rules.
- WCFL may elect the BEAR reimbursement method (FCC Form 472) at its sole option. When BEAR is used, WCFL will pay the vendor in accordance with contract terms and submit the reimbursement request. The vendor shall promptly provide all invoices, proof-of-delivery information, eligibility data, and other documentation reasonably required for WCFL's reimbursement request.
- The awarded vendor shall respond promptly to PIA, audit, invoice-review, or other USAC/FCC information requests relating to its proposal or delivery. Unless a shorter period is required by USAC or WCFL, vendor responses requested by WCFL during PIA review should be provided within three (3) business days.
- The vendor shall provide WCFL copies of all service-provider E-rate forms, certifications, invoices, and related submissions associated with this procurement upon submission or upon WCFL request.
- The vendor shall retain all relevant E-rate records for at least ten (10) years after the later of the last day of the applicable funding year or the service-delivery deadline for the funding request, or longer if required by then-current FCC/USAC rules.
- All program participants may be audited. The vendor shall make applicable records available to WCFL and authorized auditors and shall cooperate with any audit or program-integrity review.
- Eligibility will be governed by the FCC Eligible Services List and USAC rules in effect for the funding year in which WCFL files its FCC Form 471. WCFL does not guarantee that USAC will determine any product or service to be eligible.

7. Funding Contingency and Contract Term

- Any award is contingent upon WCFL approval, availability of local funds, and, unless WCFL elects otherwise in writing, receipt of satisfactory E-rate funding for the eligible portions of the project.
- If E-rate funding is denied, reduced, delayed, or otherwise unavailable, WCFL may cancel the contract in whole or in part, reduce quantities or scope, defer implementation, or proceed using other funds, without liability for unperformed work except as expressly agreed in writing.
- WCFL reserves the right to waive the E-rate funding contingency and proceed with all or part of the project using non-E-rate funds.
- The contract term shall begin on the date specified in the final contract and shall extend through completion and acceptance of the project and all applicable warranties, support, licensing, and documentation obligations.
- The contract shall permit reasonable extensions required to align with USAC-approved service delivery deadline extensions or other program-authorized extensions, subject to WCFL written approval.
- All required licensing/subscriptions shall be for a minimum five (5) year term as specified in this RFP.

8. General Contract and Procurement Terms

- WCFL reserves the right to reject any or all proposals, reject any portion of a proposal, waive minor informalities or irregularities when permitted by law, request clarifications, cancel or reissue the RFP, and award in the manner determined to be in the Library's best interest and consistent with E-rate and applicable procurement requirements.
- WCFL prefers a single prime contractor capable of delivering the complete solution. The prime contractor remains solely responsible for all products, services, subcontractors, scheduling, workmanship, and contract compliance.
- No change in price, product model, scope, staffing, schedule, or subcontractor is authorized without prior written approval from WCFL. Any change that affects E-rate eligibility or the competitive-bidding basis may require additional review and may be rejected.
- All proposed equipment shall be new, current-production, genuine manufacturer equipment obtained through authorized distribution channels. Refurbished, gray-market, previously registered, or used equipment is prohibited unless specifically requested by WCFL in writing.
- Title to equipment shall be transferred to WCFL upon payment or acceptance as provided in the final contract, but risk of loss remains with the vendor until delivery, installation, and acceptance at the designated WCFL location.
- Vendor shall protect WCFL property and existing systems from damage. The vendor is responsible for repair or replacement, at its expense, of property damaged by vendor personnel or subcontractors, except to the extent caused by WCFL.
- Vendor shall comply with all applicable federal, Maryland, and local laws, codes, licensing requirements, safety requirements, environmental rules, E-rate rules, and manufacturer installation requirements.
- Vendor shall maintain workers' compensation coverage as required by law and commercial general liability, automobile liability, professional/technology errors and omissions, and cyber liability coverage as reasonably applicable to the work, in amounts acceptable to WCFL. Certificates of insurance shall be provided before onsite work begins.
- To the fullest extent permitted by applicable law, the vendor shall indemnify and hold harmless WCFL, its trustees, officers, employees, and agents from third-party claims, damages, losses, and expenses arising from the vendor's negligent acts, omissions, breach of contract, infringement, or willful misconduct, except to the extent caused by WCFL.
- Vendor shall not assign the contract or materially delegate performance without WCFL's prior written consent.
- WCFL may terminate for material breach after written notice and a reasonable opportunity to cure, or immediately for fraud, loss of required licensing/insurance, material safety violations, or conduct that threatens WCFL systems or data. WCFL may also terminate or reduce scope as provided in the E-rate funding contingency.
- If the vendor fails to complete required work after notice and opportunity to cure, WCFL may obtain reasonable substitute performance and may pursue recovery of documented incremental costs to the extent permitted by law and the final contract.
- The vendor shall keep WCFL network configurations, credentials, security information, diagrams, and nonpublic operational information confidential and shall use such information only to perform the contract. Credentials must be handled using secure methods approved by WCFL.
- The vendor shall not introduce remote-access software, monitoring agents, cloud tenants, accounts, or management dependencies not disclosed in the proposal and approved by WCFL.
- Any terms presented on vendor quotes, invoices, click-through agreements, order acknowledgments, or manufacturer portals that conflict with the signed WCFL contract shall not supersede the contract unless expressly accepted in writing by WCFL.
- Proposal pricing shall remain firm for at least one hundred twenty (120) days after the proposal deadline and, after award, shall remain firm for the contracted scope unless WCFL approves a written change order. Manufacturer price changes do not automatically authorize a contract price increase.
- If an awarded model becomes unavailable or end-of-sale before delivery, the vendor shall promptly notify WCFL and may propose a current successor only if it meets or exceeds all requirements, does not reduce E-rate eligibility or functionality, and is approved by WCFL in writing before substitution.
- WCFL is generally exempt from sales and use taxes applicable to governmental/library purchases. The vendor shall not charge taxes from which WCFL is legally exempt and shall request exemption documentation if needed.
- The vendor is an independent contractor and is responsible for its employees, payroll, taxes, supervision, safety, and means and methods of work. Nothing in the contract creates employment, partnership, joint venture, or agency relationship.
- Vendor shall maintain project and contract records sufficient to substantiate invoices, compliance, equipment provenance, licensing, warranties, and E-rate obligations and shall make such records available to WCFL upon reasonable request.

- Vendor shall promptly notify WCFL of any known or suspected compromise of WCFL credentials, management accounts, configurations, or data encountered in connection with the work and shall cooperate with WCFL in containment and remediation.
- Force majeure or other excusable delays shall apply only to events beyond the reasonable control of the affected party. The vendor shall provide prompt written notice, take reasonable steps to mitigate delays, and resume performance as soon as practicable. Supply-chain conditions known or reasonably foreseeable at the time of bid shall be reflected in the proposed schedule.
- The final agreement, RFP, addenda, accepted proposal, and approved change orders shall constitute the complete agreement. In the event of conflict, the order of precedence shall be: signed contract/change order, RFP addenda, RFP, and then the accepted vendor proposal, unless the signed contract states otherwise.
- The final contract shall be governed by applicable federal law and the laws of the State of Maryland, with venue and any additional governmental procurement provisions to be confirmed by WCFL counsel before release/execution.
- If any provision is invalid or unenforceable, the remaining provisions shall remain in effect to the extent permitted by law.

9. Payment, Invoicing, and Final Acceptance

- Invoices shall be itemized and shall correspond to the awarded bill of materials, purchase order, and approved change orders.
- WCFL will not pay for unapproved substitutions, omitted-required items, duplicate charges, or work outside the approved scope.
- Progress payments, if authorized, do not constitute acceptance of equipment or workmanship.
- WCFL may withhold final payment until all equipment is installed, licensed, configured, tested, documented, accepted, and all punch-list items are resolved.
- Final acceptance will occur only after WCFL confirms that the complete system is fully operational and the vendor has delivered all required documentation, inventory, as-built diagrams, licensing records, warranty information, and knowledge transfer.
- Defects, configuration errors, missing accessories, licensing deficiencies, or performance issues identified during acceptance shall be corrected by the vendor at no additional cost to WCFL.

10. Turnkey Scope of Work

Due to the complexity and knowledge required for successful placement and configuration, WCFL requires a complete turnkey solution. Unless explicitly excluded in writing and accepted by WCFL, the awarded vendor shall provide everything necessary to deliver a production-ready system.

- Procurement and delivery of all hardware, licenses/subscriptions, support entitlements, power supplies, rack hardware, mounting hardware, modules, uplink/network modules, optics/transceivers, DAC/Twinax cables, stacking cables, StackPower/power-stacking cables where used, patch cables, power cords, UPS rails and management accessories, adapters, fasteners, and miscellaneous components.
- Pre-installation discovery and validation of rack space, electrical compatibility, PoE budgets, switch-stack design, uplink requirements, firewall/WAN topology, existing network settings, SSIDs/VLANs, VPNs, filtering policies, and device placement.
- Staging, firmware updates, license registration, Dashboard claiming, configuration, labeling, asset tagging support, rack mounting, installation, cutover, testing, troubleshooting, and migration of applicable existing settings.
- Removal of replaced equipment from service and delivery to WCFL IT or disposal/recycling only when WCFL authorizes disposal in writing.
- Removal and disposal of all packaging and installation debris. WCFL staff will not be responsible for disposal of vendor packaging.
- Final asset inventory, serial numbers, MAC addresses, license identifiers, stack membership, switch port/uplink maps, firewall topology, UPS load/runtime data, and as-built documentation.
- Knowledge transfer and administrator orientation for WCFL IT staff.
- Correction of all deficiencies discovered during acceptance testing and completion of a final punch list.

No new permanent structured cabling is required in this procurement. The vendor shall use WCFL's existing structured cabling. Normal patch cables, transceivers, connectors, adapters, and short equipment interconnects required to make the replacement equipment fully operational remain part of the vendor's turnkey responsibility.

11. Project Planning, Cutover, and Installation Requirements

- Before installation, the selected vendor shall meet onsite or remotely with WCFL IT staff to finalize the implementation schedule and site-specific statement of work.
- All disruptive work shall be scheduled to minimize impact to Library patrons and staff. The vendor shall not disconnect production systems without an approved maintenance window.
- The vendor shall document relevant existing configurations before replacement and maintain a rollback approach appropriate to each cutover.
- Branch deployments shall be sequenced in coordination with WCFL. Hagerstown/Central cutover shall receive a detailed written plan due to the larger switch stack, firewall HA pair, and UPS replacement.
- All equipment shall be installed according to manufacturer specifications and standard industry practices, with cabling dressed, labeled, and secured to maintain a professional rack installation.
- Vendor shall not leave unsupported, unlicensed, degraded, temporary, or partially functional configurations at project completion.
- Any condition discovered onsite that could materially affect cost, performance, or schedule shall be reported to WCFL before proceeding. No extra charge is authorized without a written change order.

12. System-Level Technical and Management Requirements

- Cloud architecture with centralized management. No on-premises controller, management server, or virtual appliance shall be required for normal operation of the wireless, switching, and security solution unless expressly approved by WCFL.
- Unified or tightly integrated management across wireless, switching, and security infrastructure, including status, client visibility, alerts, firmware, event logging, troubleshooting, and policy administration.
- Layer 7 application visibility and traffic shaping; VLAN and group-policy support; client/device identification; guest isolation; secure enterprise authentication; remote packet capture; centralized reporting; and remote diagnostic tools.
- Multi-site deployment and management from a single administrative interface, including tagging/grouping or equivalent organizational controls.
- Support for centralized monitoring and alerting, including outage notifications and historical usage data.
- Secure administrative access using role-based controls and multifactor authentication supported by the management platform.
- Support for Bonjour/mDNS gateway functions where required by WCFL services and for fast roaming appropriate to enterprise wireless.
- The proposed solution shall remain fully interoperable with WCFL's existing Cisco Meraki camera environment at all locations.
- Automatic firmware/security updates or administrator-controlled cloud-delivered updates with manufacturer support.
- The solution shall minimize downtime and avoid loss of existing WCFL functionality during migration. Any proposed equivalent platform must include all additional migration effort, appliances, subscriptions, and management costs in the bid.

13. Wireless Access Points - Cisco Wireless CW9174I and CW9177E or Equivalent

Specified Model: Cisco Wireless CW9174I Wi-Fi 7 Indoor Access Point, Meraki cloud-managed, or approved equivalent/current successor

Quantity: 27

The replacement access points shall replace the existing MR44 access points on a one-for-one basis unless WCFL approves a different placement in writing. The design shall maintain or improve coverage, capacity, roaming, security, and manageability throughout all public, staff, administrative, common, and meeting areas.

- IEEE 802.11be (Wi-Fi 7) with backward interoperability for appropriate Wi-Fi 6/6E, Wi-Fi 5, and legacy clients.
- Tri-band 2.4 GHz, 5 GHz, and 6 GHz client operation.
- 2.4 GHz radio of at least 2x2:2 MU-MIMO; 5 GHz radio of at least 4x4:4; 6 GHz radio of at least 4x4:4.
- Wi-Fi 7 functionality including Multi-Link Operation (MLO), 4096-QAM, preamble puncturing, uplink/downlink OFDMA, Target Wake Time, BSS coloring, beamforming, MRC, and packet aggregation.
- Channel widths up to 160 MHz in 5 GHz and up to 320 MHz in 6 GHz, subject to regulatory and client limitations.
- One multigigabit RJ-45 uplink capable of 100M/1G/2.5G/5G operation.
- Full intended operation on IEEE 802.3bt Type 3 / Class 5 or Cisco UPOE-class power as required by the proposed model. At Hagerstown/Central, access-switch ports serving CW9174I access points shall provide the intended multigigabit connection up to 5 GbE where existing cabling supports it. At branch libraries, the approved access-

switch design provides a minimum 1 GbE wired connection with PoE+ on every access port; a 1 GbE wired link at a branch shall not by itself constitute a deficiency.

- Integrated internal antennas suitable for indoor ceiling/wall deployment.
- Dedicated tri-band scanning/security radio for continuous RF analysis, spectrum intelligence, rogue AP detection, WIDS/WIPS, and RF optimization without removing client radios from normal service.
- Dedicated BLE/IoT radio or equivalent functionality.
- WPA3, 802.1X enterprise authentication, 802.1Q VLAN tagging, guest isolation, Layer 7 visibility/control, client fingerprinting, application-aware traffic shaping, fast roaming, and enterprise mobility.
- Remote packet capture and cloud-based client/connectivity troubleshooting.
- Automatic cloud configuration, firmware/security updates, monitoring, alerting, and multi-site management.
- All standard mounting hardware and any required replacement brackets/adapters.
- Manufacturer-standard limited lifetime hardware warranty or better, with advanced replacement where available.

Specified Model: Cisco Wireless CW9177E Outdoor Wi-Fi 7 Access Point, external-antenna model, or approved equivalent/current successor

Quantity: 2

These units will replace two existing Meraki MR76-HW outdoor access points currently used to provide a directional wireless connection between the Library building and an outdoor parking area installation. Vendor shall verify compatibility of the existing external directional antennas, mounts, cabling, lightning/surge protection, PoE requirements, and RF configuration. If existing components are not compatible with the proposed replacement, all required replacement antennas, mounts, adapters, weatherproofing, surge protection, and related accessories shall be included in the turnkey proposal.

- The two (2) CW9177E units shall replace the existing Meraki MR76-HW units used to provide a directional wireless connection between the Library building and the parking-area wireless installation. The awarded vendor shall preserve or improve the existing link reliability, throughput, coverage, security, and Meraki Dashboard manageability.
- Outdoor-rated Wi-Fi 7 access point supporting IEEE 802.11be and backward compatibility with appropriate prior Wi-Fi standards.
- External-antenna model capable of supporting directional antenna configurations appropriate to the existing installation.
- 4x4:4 MU-MIMO operation on 2.4 GHz, 5 GHz, and 6 GHz when operated at full manufacturer-supported power.
- Minimum IP66/IP67 environmental protection or equivalent for permanent outdoor installation.
- Multigigabit copper Ethernet interface supporting up to 10 GbE and manufacturer-supported SFP/SFP+ connectivity where applicable.
- Full intended operation shall be provided using IEEE 802.3bt Class 6 / UPOE+ / PoE++ or the manufacturer-required equivalent. Vendor shall provide or identify all required PoE injectors, switch power, power supplies, or other power components necessary for full operation. Reduced-radio or reduced-uplink operation caused by insufficient PoE shall not be considered acceptable unless specifically approved by WCFL.
- Meraki Dashboard cloud management, monitoring, firmware management, RF visibility, remote troubleshooting, event logging, and alerting shall be supported.
- Vendor shall verify the existing antenna type, antenna gain, connector type, polarization, antenna orientation, mounting height, line of sight, antenna cabling, grounding, surge protection, and weatherproofing before installation.
- If the existing antennas are not compatible with the CW9177E or cannot provide the required RF performance, the vendor shall provide compatible directional antennas and all associated mounts, cables, adapters, grounding, weatherproofing, and surge-protection components as part of the turnkey price.
- The vendor shall align and configure the two units and perform RF/link validation following installation. Validation shall include signal level, link quality, negotiated Ethernet speed, PoE class, connectivity to the remote parking-area network, Meraki Dashboard visibility, and successful client Internet/network access at the remote location.
- The completed installation shall provide stable operation equal to or better than the existing MR76 installation. Any link instability, material reduction in coverage, or configuration deficiency introduced by the replacement shall be corrected by the vendor at no additional cost to WCFL.

13.1 Wireless Installation and Acceptance

- Remove each existing MR44 and MR76 access point and install the applicable replacement in the existing intended location unless WCFL approves a revised location.
- Use existing structured cabling; provide all patching and mounting components required for a finished installation.

- Claim, license, configure, and assign each AP to the appropriate WCFL organization, network, tags, SSIDs, VLANs, RF profiles, group policies, and security settings.
- For the two outdoor CW9177E units, acceptance shall additionally include verification of outdoor link stability, antenna alignment, RF performance, PoE level, weatherproofing, surge protection, remote-site connectivity, and Meraki Dashboard status.
- Validate PoE class and negotiated Ethernet link speed at each AP in accordance with the access-switch requirements for that location.
- Validate staff and patron connectivity, roaming, coverage, security policy application, cloud visibility, and normal operation. Material coverage deficiencies caused by the replacement shall be corrected within the awarded scope.
- Provide final AP inventory including model, serial, MAC, asset tag, switch/port, and installed location.

14. Switching - Cisco Catalyst 9300-M / 9300X-M Families or Equivalent

14.1 General Switching Requirements

- Cloud-managed through Meraki Dashboard or equivalent centralized platform compatible with the proposed architecture.
- Every switch shall be supplied with two (2) installed, active, field-replaceable power supplies sized for the proposed load. An empty second bay or reliance solely on shared stack power is not sufficient.
- Switches at the same site/closet shall support physical data stacking and operate as one logical unit for configuration, monitoring, management, and failover.
- All physical stack cables, stack adapters/modules, StackPower cables where used, uplink modules, optics/transceivers, patch cables, power cords, and rack hardware shall be included.
- Stack topology shall avoid a single stack-cable failure taking down the stack; ring topology shall be used where supported.
- Non-blocking switching; 802.1Q VLANs; STP/RSTP; LLDP/LLDP-MED; link aggregation; port mirroring; IGMP snooping; 802.1X; IPv4/IPv6 ACLs; DHCP security; QoS; secure management; and centralized event logging.
- Remote port/client monitoring, historical utilization, cable testing where supported, alerting, firmware management, and configuration history/backup.
- All Hagerstown/Central and branch access switches shall provide PoE/PoE+ or greater capability on every copper access port and shall be supplied with power capacity sufficient for the proposed connected load with reasonable growth capacity. PoE is not required on the 10 GbE switches, C9300X-48TX-M, or equivalent.
- Hagerstown/Central access-switch ports serving CW9174I access points shall support multigigabit operation up to at least 5 GbE with appropriate 802.3bt/UPOE-class power. Branch access-switch ports shall provide a minimum 1 GbE connection and PoE+ on every port; operation of branch CW9174I access points at a 1 GbE wired link is acceptable under the branch design.
- Manufacturer-standard warranty and advanced replacement where available.

Physical Switch Stacking: Where multiple switches are installed as a stack, the switches shall be interconnected using the manufacturer's dedicated physical stacking technology and dedicated stacking ports/cables (Cisco StackWise or equivalent). The switches shall operate and be managed as a single logical switching unit. Standard Ethernet connections, SFP/SFP+/SFP28/QSFP uplinks, fiber links, link aggregation, or cloud/virtual stacking shall not be considered equivalent to the required physical stack.

The vendor shall provide all stacking cables, adapters, modules, and other components necessary to create a complete resilient physical stack. Stacks shall be configured in a manufacturer-supported redundant/ring topology so that failure or removal of a single stacking cable does not partition or disable the stack where supported by the proposed platform.

14.2 Hagerstown / Central - 48-Port Multigigabit PoE Access Switches

Primary Model: Cisco Catalyst C9300-48UN-M (Meraki-managed), or approved equivalent/current successor

Quantity: 17

- Forty-eight (48) copper access ports supporting at least 100M/1G/2.5G/5G operation, allowing standard 1 GbE endpoints and multigigabit Wi-Fi 7 access-point connectivity from the same access-switch platform.
- PoE shall be available on every copper access port. The switch shall support Cisco UPOE / IEEE 802.3bt-class power on supported ports and shall include power supplies sized for the installed PoE load and redundancy requirements.

- Modular high-speed uplinks supporting 10G and higher speeds as appropriate to the final design, with all required uplink modules, SFP/SFP+/SFP28/QSFP-family optics or DAC assemblies included where applicable.
- Physical StackWise-class stacking or equivalent, with switches in each designated closet operating and being managed as one logical unit.
- Two installed hot-swappable/field-replaceable power supplies per switch; failure of one supply shall not cause the switch itself to shut down. Redundant supplies shall be connected to separate protected power paths where available.
- Layer 3 capability, Meraki Dashboard cloud management, 802.1X, ACLs, DHCP security, QoS, link aggregation, spanning tree, LLDP/LLDP-MED, port mirroring, multicast controls, secure role-based administration, and the functionality required by Section 14.1.

Equivalent/current-successor products may be proposed only if they provide 48 access ports, PoE on every port, at least 5 GbE capability for ports serving CW9174I access points, dual installed redundant power supplies, physical stacking, modular high-speed uplinks, and full compatibility with WCFL's Meraki-managed architecture.

14.3 Hagerstown 10 GbE Switches

Primary Model: Cisco Catalyst C9300X-48TX-M (Meraki-managed), or approved equivalent/current successor

Quantity: 4

WCFL will replace four (4) existing switches at the Hagerstown/Central location: two (2) Cisco Meraki MS390-24UX switches and two (2) Dell-branded 10 GbE switches. All four shall be replaced with Cisco Catalyst C9300X-48TX-M switches, or approved equivalents/current successors, to provide a common Meraki-managed platform.

- Forty-eight (48) copper multigigabit data ports with native 10 GbE copper RJ45 capability, including backward support for lower Ethernet rates as supported by the platform.
- PoE is not required on these switches. Any PoE capability present in an equivalent product will not be scored as a requirement and shall not substitute for the required data-plane, uplink, stacking, and redundancy capabilities.
- Each switch shall provide modular high-speed uplink capability and shall include all network/uplink modules, SFP+/SFP28/QSFP-family optics, DAC/Twinax assemblies, transceivers, patch cables, and other components required to reproduce or improve the existing 10 GbE copper and SFP+ connectivity. Each switch shall also include physical stacking capability and two installed hot-swappable/field-replaceable power supplies for local power redundancy.

14.4 Branch Libraries - 24-Port 1 GbE PoE Access Switches

Primary Model: Cisco Catalyst C9300-24P-M (Meraki-managed), or approved equivalent/current successor

Quantity: 14 total - two (2) switches at each of seven (7) branch libraries

- Twenty-four (24) 10/100/1000BASE-T copper access ports. Each port shall support at least 1 GbE operation.
- PoE/PoE+ shall be available on every copper access port. Power supplies shall be sized so that the installed configuration supports the expected branch PoE load with reasonable reserve capacity while maintaining the required power-supply redundancy.
- Modular high-speed uplinks suitable for 10 GbE or faster inter-switch/uplink connectivity as required by the site design.
- The two switches at each branch shall be physically stacked and shall operate and be managed as one logical switching unit.
- Each switch shall include two (2) installed active, field-replaceable power supplies. An empty second power-supply bay or reliance solely on shared stack power does not satisfy this requirement.
- Vendor shall provide all physical stack cables, power-stack cables where used, uplink/network modules, optics/transceivers, power cords, rack hardware, and accessories required for a complete two-switch stack at each branch.
- Full Meraki Dashboard cloud management and Layer 2/Layer 3, security, monitoring, PoE, stacking, and resiliency functionality required by Section 14.1.

Equivalent/current-successor products may be proposed only if they provide 24 1 GbE access ports, PoE on every port, two installed redundant field-replaceable power supplies, physical stacking, modular high-speed uplinks, and full compatibility with WCFL's Meraki-managed architecture.

The MS130-24X/MS130-24P class is not considered compliant because WCFL requires physical data stacking and two installed field-replaceable redundant power supplies on every access switch.

14.5 Switch Installation and Acceptance

- Confirm rack location, stack membership, uplink design, power requirements, PoE budget, and maintenance window before installation.
- Connect redundant supplies to separate protected power paths where available.
- Physically stack designated switches, configure stack member numbering/priorities, firmware, licensing, VLANs, trunks, link aggregation, spanning tree, management addressing, and other settings in coordination with WCFL.
- Demonstrate that loss of a single power supply does not power off the switch and that loss of a single stack link does not cause stack failure where ring stacking is implemented.
- Validate negotiated Ethernet speed and appropriate PoE class on all CW9174I access-point ports.
Hagerstown/Central AP ports shall validate at the intended multigigabit rate up to 5 GbE where cabling supports it; branch AP ports shall validate at not less than 1 GbE with required PoE.
- Provide as-built stack diagrams, final port/uplink maps, and complete inventory including power-supply and optic information where available.
- Migrate all copper (RJ45) connections on a port-by-port basis to ensure transfer to new equipment matches VLAN and switch programming.

15. Firewalls / Secure Routers - Cisco 8000 Series with Meraki MX OS or Equivalent

15.1 General Firewall / Secure Router Requirements

- Cisco Meraki MX OS or equivalent platform fully manageable from WCFL's existing centralized cloud-management environment.
- Centralized configuration, monitoring, alerting, firmware, reporting, event logging, client visibility, and remote troubleshooting without an on-premises manager.
- Stateful Layer 3/Layer 7 firewalling, VLANs, DHCP, static routing, NAT, traffic shaping, automatic WAN failover, WAN load balancing, site-to-site VPN/Auto VPN, client VPN where supported, and policy-based security controls.
- Advanced security including IDS/IPS, malware protection, URL/content filtering, SafeSearch/web filtering, geographic firewall rules, application visibility/control, and cloud-delivered security updates.
- Remote packet capture, syslog, historical client data, NetFlow/equivalent telemetry where supported, IPv6, and centralized firmware/security updates.
- All optics/transceivers, patch cables, power cords, mounting kits/shelves/adapters, and required accessories included.

15.2 Branch Security Appliances

Primary Model: Cisco C8121-G2-MX Cloud Managed Secure Router, or approved equivalent/current successor

Quantity: 7

- Minimum 2 Gbps stateful firewall throughput.
- Minimum 1.0 Gbps advanced-security throughput and minimum 1.0 Gbps site-to-site VPN throughput.
- Two dedicated multigigabit WAN interfaces capable of at least 2.5 GbE.
- At least ten 1 GbE LAN interfaces, including integrated PoE/UPOE ports where provided by the platform.
- Automatic WAN failover/load balancing, Auto VPN, NAT, VLANs, DHCP, static routing, client VPN endpoint capability, traffic shaping, and policy integration.
- Advanced Security licensing and all management/security functions stated in this RFP.
- Redundant internal power supplies are not required for branch firewall appliances.
- Any mounting shelf/bracket or rack solution required for the branch installation shall be included.

15.3 Hagerstown / Central High-Availability Security Appliances

Primary Model: Cisco C8355-G2-MX Cloud Managed Secure Router, or approved equivalent/current successor

Quantity: 2 configured as a manufacturer-supported HA warm-spare pair

- Minimum 10 Gbps stateful/next-generation firewall throughput.
- Minimum 4 Gbps advanced-security throughput and minimum 5 Gbps site-to-site VPN throughput.
- Capacity appropriate to large branch/campus use and approximately 5,000 devices.
- At least two 10 GbE SFP+ WAN interfaces; at least two 10 GbE SFP+ LAN interfaces plus multigigabit copper LAN interfaces as provided by the platform.
- Advanced Security licensing and all management/security functions stated in this RFP.
- Rack-mountable enterprise appliance.

- Two installed manufacturer-supplied power supplies per appliance, connected to separate WCFL protected power paths where available.
- Warm-spare HA configuration with automatic failover, preserving WAN/VPN/firewall policy/content-filtering services in accordance with manufacturer-supported behavior.
- Vendor shall configure and test state synchronization, uplink monitoring, failover behavior, VPN continuity/restoration, policy consistency, and Dashboard status.
- Provide all 10 GbE optics, DAC/Twinax cables, transceivers, uplink cabling, rack hardware, and power cords required by the final design.

15.4 Firewall Migration and Acceptance

- Document/export the applicable MX85/MX250 configuration before replacement and migrate required settings in coordination with WCFL.
- Finalize firewall rules, VPN configuration, WAN/LAN topology, VLAN assignments, filtering policies, management addressing, and failover behavior before cutover.
- Test branch WAN/VPN/security functionality and Hagerstown HA failover.
- Provide an as-built firewall topology, serial/role/uplink/license inventory, and written Hagerstown failover summary.
- Provide knowledge transfer covering Dashboard management, HA status, VPN, content filtering, security events, firmware, troubleshooting, and failover procedures.

16. Teleworker Security Appliances

Specified Model: Cisco Meraki Z4C cellular teleworker gateway, or approved current manufacturer-designated equivalent/successor compatible with WCFL's Meraki environment

The Cisco Meraki Z4C is specified as the current replacement for the three (3) Cisco Meraki Z3C security appliances used by the Bookmobile Department. The replacement shall preserve integrated cellular connectivity, Meraki Dashboard cloud management, Auto VPN, remote monitoring, security policy enforcement, and secure connectivity to WCFL resources.

Quantity: 3 (Bookmobile Department / Central Library base)

- Stateful firewall, Auto VPN, DHCP, VLAN support, traffic shaping, integrated cellular failover/connectivity appropriate to the Z4C platform, automatic firmware/security updates, remote monitoring, usage statistics, VPN status/latency monitoring, and Meraki Dashboard cloud management.
- Secure Teleworker licensing or current equivalent for a minimum five-year term, including advanced content filtering/security functionality required by Section 18.
- All power adapters, cables, mounts, cellular accessories for cellular-capable models, and required activation/licensing components shall be included.
- Vendor shall configure each appliance for secure connectivity to WCFL resources and verify operation before acceptance.

17. UPS / Power Backup

WCFL requires replacement UPS systems at all locations as part of the turnkey project. Hagerstown/Central will receive six (6) high-capacity online lithium-ion UPS systems. Each of the seven (7) branch libraries will receive one (1) short-depth lithium-ion UPS.

17.1 General UPS Requirements

- New, current-production APC by Schneider Electric equipment or approved equivalent meeting/exceeding all requirements.
- Clean, regulated pure sine-wave power appropriate for enterprise network equipment.
- All rails, mounting hardware, power cords, management hardware/subscriptions, interface cables, brackets, adapters, and accessories included.
- Vendor shall verify voltage, receptacles, rack dimensions, rack units, PDU compatibility, connected load, and runtime before installation.
- Coordinate cutovers with WCFL; no production equipment may be disconnected without an approved maintenance window.
- Install, transfer loads, test battery operation and monitoring, and verify proper restart after utility restoration.
- Remove existing UPS units from racks; return to WCFL or recycle/dispose only as directed. Battery disposal must comply with environmental requirements.
- All UPS devices should be on the latest firmware version prior to project completion.

- Provide final UPS inventory and warranty/management information.
- Any omitted cost required to make the UPS fully operational remains the vendor's responsibility.

17.2 Hagerstown / Central UPS

Specified Model: APC Smart-UPS Ultra On-Line SRTL5KRM2UT, or approved equivalent

Quantity: 6

- Minimum 5000 VA / 4.9 kW capacity.
- Double-conversion online topology with continuous conditioned power and pure sine-wave output.
- 208V input and 208V output compatibility.
- Rack/tower convertible, maximum 2U chassis, manufacturer rail kit included.
- Lithium-ion battery technology with integrated battery management.
- Output connectivity equivalent to two NEMA L6-20R and two NEMA L6-30R receptacles, or equivalent compatible with WCFL PDUs/equipment.
- Integrated or manufacturer-supported network management for remote status, alerts, power monitoring, firmware, and graceful shutdown where applicable.
- Support for external battery packs / extended runtime expansion.
- Automatic bypass, restart, cold start, generator compatibility, overload protection, and automatic self-test.
- Hot-swappable/live-serviceable battery capability where supported.
- Vendor shall document measured load percentage and estimated runtime after commissioning.

17.3 Branch UPS

Specified Model: APC Smart-UPS SMTL1500RM3UC, or approved equivalent

Quantity: 7 total - one at each branch

- Minimum 1500 VA class with capacity sufficient for installed branch network equipment.
- 120V input/output compatible with standard branch electrical service.
- Lithium-ion battery technology.
- Rack-mountable short-depth design suitable for existing WCFL racks/cabinets.
- Pure sine-wave output on battery.
- Line-interactive AVR or equivalent conditioning.
- Remote monitoring through APC SmartConnect and/or compatible network-management interface. Any required card/subscription shall be included and separately identified.
- Automatic restart after utility restoration and battery-health monitoring/self-test.
- Minimum five (5) minutes runtime at actual design load, validated by the vendor.
- All rails, rack hardware, power cords, and management/interface cables included.

17.4 UPS Acceptance Testing

- Pre-installation survey/validation for electrical compatibility, rack fit, load, and accessories.
- Sequential or WCFL-approved Hagerstown replacement approach to minimize risk.
- Test utility-to-battery transfer, battery-to-utility recovery, self-test, monitoring, alarms, and automatic restart.
- Verify no overload and document measured load and estimated runtime.
- Confirm connected network equipment returns to normal operation after each cutover.
- Provide knowledge transfer for displays, remote monitoring, alarm handling, firmware, battery health, and replacement procedures.

18. Licensing Requirements

All manufacturer-required cloud management, security, support, feature, software, and subscription licensing shall be included for a minimum term of five (5) years and shall preserve or exceed the functionality of WCFL's existing environment.

18.1 Licensing Model and General Requirements

- WCFL requires licensing to be assigned and managed on a per-device basis within its Cisco/Meraki environment where supported by the manufacturer. Each licensed device shall have its own applicable entitlement/fixed term rather than being dependent on an organization-wide co-termination date.
- The vendor shall verify before award that proposed hardware and license SKUs are compatible with WCFL's existing licensing model. If a legacy per-device SKU is no longer available, the vendor shall provide the current manufacturer-supported device-specific/fixed-term equivalent, subject to WCFL approval.

- Licensing shall begin upon activation/commissioning unless otherwise approved. Vendor shall coordinate activation to avoid unnecessary loss of license term before production use.
- All licenses must remain valid for the full five-year term without requiring WCFL to purchase additional mandatory software, security, cloud management, or support to maintain required functionality.
- Licensing shall be separately priced and shall state exact SKU, family, tier, quantity, term, unit price, extended price, and E-rate eligible percentage.
- All licensing shall be new, legitimate manufacturer licensing registered directly to WCFL. Transferred, gray-market, or previously activated licenses are prohibited.
- Vendor shall complete license registration/assignment and provide activation/expiration dates, tier, assigned device, and manufacturer order/license identifiers.

18.2 Wireless Licensing

- CW9174I - 27 devices: minimum five-year Cisco Wireless or current manufacturer-supported equivalent. MR Licenses: LIC-ENT-5YR
- CW9177E – 2 devices: Provide the same minimum five-year Cisco Wireless licensing or current manufacturer-supported equivalent required for the indoor wireless solution. MR Licenses: LIC-ENT-5YR
- Include cloud management, firmware/security updates, 24x7 enterprise support, APIs, advanced RF management, Adaptive Policy, AI-RRM, Intelligent Capture or equivalent advanced capture, analytics, and required support/RMA entitlement.
- No on-premises controller shall be required.

18.3 Switch Licensing

- C9300-48UN-M - 17 devices: five-year Cisco Meraki cloud-management licensing, or the current manufacturer-supported equivalent, for the exact proposed access-switch model. LIC-C9300-48E-5Y
- C9300-24P-M - 14 devices: five-year Cisco Meraki cloud-management licensing, or the current manufacturer-supported equivalent, for the exact proposed branch access-switch model. LIC-C9300-24E-5Y
- C9300X-48TX-M - 4 devices: five-year Cisco Meraki cloud-management licensing, or the current manufacturer-supported equivalent, for the exact proposed model. LIC-C9300-48E-5Y.
- Vendor shall identify the exact current license SKU for each switch family and shall not rely on a generic license designation if model-specific licensing is required.
- Licensing include Dashboard management, centralized configuration, monitoring, firmware, client/port visibility, support, Adaptive Policy, NetFlow v10/IPFIX, Encrypted Traffic Analytics where supported, and all functions required by the RFP.

18.4 Security Appliance Licensing

- All branch and Hagerstown Cisco Secure Router/MX OS security appliances shall include a minimum five-year Advanced Security license or current higher tier that includes all Advanced Security functionality. LIC-C8355-SEC-5Y or LIC-C8121-SEC-5Y based on relevant model.
- At minimum: stateful firewalling, Auto VPN, client VPN where supported, Layer 7 application controls, IDS/IPS, Cisco malware protection/AMP equivalent, URL/content filtering, SafeSearch/web filtering, geographic firewalling, cloud management, firmware/security updates, reporting, monitoring, and 24x7 support.
- Content filtering shall support WCFL public Internet-use policies and CIPA-related filtering requirements where applicable.
- Licensing shall be model-specific. For the Hagerstown HA pair, vendor shall apply current manufacturer warm-spares licensing rules and clearly identify required quantity/basis.
- Secure SD-WAN Plus may be proposed as a higher-tier alternate, but Advanced Security functionality is the minimum.

18.5 Teleworker Licensing

- Each Z4C or approved current successor shall include a minimum five-year Secure Teleworker license or equivalent. LIC-Z4C-SEC-5Y
- Include centralized management, Auto VPN, firewalling, content filtering, web-search filtering, supported video/content restrictions, malware protection, geographic firewalling, analytics, firmware updates, and 24x7 support.
- Basic licensing that omits required advanced security/content filtering is not equivalent.

19. Equivalent Products, Substitutions, and Interoperability

Brand names and model numbers are used to establish minimum required quality, functional capability, interoperability, management consistency, power resiliency, performance, and lifecycle characteristics. They are not intended to unlawfully exclude equivalent manufacturers or current manufacturer-designated successors.

- Any equivalent must meet or exceed every mandatory requirement for the applicable device class.
- The proposal shall identify manufacturer/model and include current specifications plus a written feature-by-feature comparison.
- The vendor shall explain how an equivalent integrates with or replaces the existing Meraki management environment and shall include every additional appliance, server, subscription, migration service, training requirement, and recurring cost.
- Failure to provide adequate evidence of equivalence is valid grounds for rejection of the alternate.
- WCFL may reject an alternate that reduces functionality, increases operational complexity, introduces an additional management platform, constrains Wi-Fi 7 performance, weakens redundancy/security, increases rack/electrical requirements, or creates additional unpriced licensing or lifecycle cost.

20. Project Documentation, Acceptance Criteria, and Warranty

20.1 Required Final Documentation

- Complete hardware inventory: manufacturer, model, serial, MAC, asset tag, installed location, and warranty status.
- Switch documentation: stack name, member number, power-supply information where available, uplink/optic inventory, port maps, and as-built stack diagrams.
- Wireless documentation: AP location, switch port, negotiated link speed, PoE class, and assigned network/tag/RF profile.
- Firewall documentation: appliance role, WAN/LAN port assignments, management addresses, VPN/HA summary, licensing, and as-built topology.
- UPS documentation: model/serial, location, battery type, network-management information, measured load percentage, estimated runtime, and warranty.
- Licensing schedule: SKU, tier, quantity, device assignment, activation date, expiration date, support/RMA information, and E-rate eligibility percentage.
- Final project statement of work, change orders, test results, punch-list closure, and administrator knowledge-transfer materials.

20.2 Acceptance Tests

- All devices are visible and healthy in the approved cloud-management environment.
- All required licenses are active for the required term.
- Wireless APs operating with intended SSIDs/VLANs/policies, expected coverage, appropriate PoE class, and the required wired link speed for the applicable Hagerstown/Central or branch access-switch design.
- The two outdoor wireless units shall demonstrate stable directional-link operation, acceptable RF/link quality, correct antenna alignment, required PoE level, weatherproofing and surge protection, remote-site connectivity, and healthy Meraki Dashboard status
- Switch stacks operating as one logical unit; redundant power supplies active; ring/stack resiliency tested where applicable; uplinks and PoE budgets verified.
- Existing Meraki cameras shall remain online, reachable, properly powered, and visible in Meraki Dashboard following completion of network cutovers.
- All firewalls providing Internet, VPN, content filtering, advanced security, and management functionality.
- Hagerstown firewall pair successfully completed manufacturer-supported HA failover testing.
- UPS units successfully transferring to/from battery, reporting normal status, not overloaded, and providing required runtime.
- No material unresolved alarms, configuration errors, missing components, unlicensed devices, or incomplete documentation.
- All replaced equipment and packaging handled as directed and all work areas left clean.

20.3 Warranty / Correction Period

- Manufacturer warranties and support entitlements shall be registered to WCFL and begin as appropriate to the delivered products.
- The vendor shall provide a minimum one (1) year workmanship and configuration warranty beginning at final acceptance and shall correct installation workmanship defects or vendor-caused configuration errors discovered

during that period at no additional cost to WCFL. Manufacturer hardware/software warranties and five-year licensing/support terms remain separate and shall not be shortened by this provision.

- Vendor shall coordinate with manufacturer RMA/escalation for defective hardware discovered during deployment and acceptance.
- Final acceptance does not waive latent defects, warranty rights, or vendor obligations for omitted items required by the RFP.

21. Equipment Locations, Quantities, and Occupancy

Location	Address	Size / Occupancy	APs	Switches	Firewall	UPS
Keedysville Branch	22 Taylor Drive, Keedysville, MD	860 sq. ft. / 35	1 CW9174I	2 C9300-24P-M	1 C8121-G2-MX	1 SMTL1500RM3UC
Sharpsburg Branch	106 East Main Street, Sharpsburg, MD	1,400 sq. ft. / 50	1 CW9174I	2 C9300-24P-M	1 C8121-G2-MX	1 SMTL1500RM3UC
Williamsport Branch	104 East Potomac Street, Williamsport, MD	4,606 sq. ft. / 100	2 CW9174I	2 C9300-24P-M	1 C8121-G2-MX	1 SMTL1500RM3UC
Boonsboro Branch	401 Potomac Street, Boonsboro, MD	9,983 sq. ft. / 150	2 CW9174I	2 C9300-24P-M	1 C8121-G2-MX	1 SMTL1500RM3UC
Leonard P. Snyder Memorial Branch	12624 Broadfording Road, Clear Spring, MD	8,000 sq. ft. / 150	2 CW9174I	2 C9300-24P-M	1 C8121-G2-MX	1 SMTL1500RM3UC
Hancock Branch	220 Park Road, Hancock, MD	1,717 sq. ft. / 50	2 CW9174I	2 C9300-24P-M	1 C8121-G2-MX	1 SMTL1500RM3UC
Smithsburg Branch	66 West Water Street, Smithsburg, MD	8,742 sq. ft. / 150	2 CW9174I	2 C9300-24P-M	1 C8121-G2-MX	1 SMTL1500RM3UC
Alice Virginia & David W. Fletcher Branch / Central / Hagerstown	100 S. Potomac Street, Hagerstown, MD 21740	82,000 sq. ft. / 1,500	15 CW9174I 2 CW9177E	17 C9300-48UN-M + 4 C9300X-48TX-M	2 C8355-G2-MX HA pair	6 SRTL5KRM2UT

Branch switch allocation: Fourteen (14) C9300-24P-M branch access switches are required, configured as two (2) physically stacked switches at each of the seven branch libraries. Each switch shall provide PoE at every access port and two installed redundant power supplies.

Bookmobile Department: Three (3) Cisco Meraki Z4C cellular teleworker security appliances, or approved current successors, will replace the three (3) existing Z3C appliances and will be based from the Hagerstown/Central location for WCFL remote/bookmobile connectivity.

22. Required Pricing / Bill of Materials Format

Bidders shall provide a complete cost proposal that permits WCFL to compare bids and determine E-rate eligible versus ineligible costs. Hardware, licensing, installation, and other costs must be separately identifiable. Items may not be omitted or shown as \$0.00/free.

Item	Qty	Cost Category	Notes
CW9174I AP or equivalent	27	Hardware	
5-year wireless license CW9174I; LIC-ENT-5YR	27	Licensing	
CW9177E outdoor AP or equivalent	2	Hardware	Outdoor directional wireless installation
5-year wireless license CW9177E LIC-ENT-5YR	2	Licensing	
C9300-48UN-M or equivalent	17	Hardware	Hagerstown switches
5-year 48-port switch license; LIC-C9300-48E-5Y	17	Licensing	Hagerstown switch licensing
C9300-24P-M or equivalent	14	Hardware	Two per branch library
5-year 24-port switch license; LIC-C9300-24E-5Y	14	Licensing	Branch access-switch licensing
C9300X-48TX-M or equivalent	4	Hardware	Hagerstown switches
5-year C9300X switch license; LIC-C9300-48E-5Y	4	Licensing	
C8121-G2-MX or equivalent	7	Hardware	Branch firewalls
5-year Advanced Security license LIC-C8121-SEC-5Y	7	Licensing	

Item	Qty	Cost Category	Notes
C8355-G2-MX or equivalent	2	Hardware	Hagerstown HA pair
5-year Advanced Security HA licensing LIC-C8355-SEC-5Y	Manufacturer- required quantity	Licensing	Vendor must explain warm-spares licensing basis
Cisco Meraki Z4C or approved successor	3	Hardware	Teleworker
5-year Secure Teleworker license; LIC-Z4C-SEC-5Y	3	Licensing	
APC SRTL5KRM2UT or equivalent	6	Hardware	Hagerstown UPS
APC SMTL1500RM3UC or equivalent	7	Hardware	Branch UPS
Stack/uplink/optics/power accessories	As required	Accessories	Itemize by SKU
Installation/configuration/cutover	As required	Labor	Itemize sufficiently for eligibility determination
Removal/recycling/disposal	As required	Labor	Separate UPS/battery disposal where applicable

Each vendor pricing worksheet shall also include columns for manufacturer SKU, unit price, extended price, E-rate eligible percentage, eligible amount, ineligible amount, and any assumptions.

Tax-Exempt Status

Washington County Free Library is a tax-exempt organization. Proposal pricing shall exclude Maryland sales and use tax and any other taxes from which WCFL is legally exempt. WCFL will provide applicable tax-exemption documentation to the awarded vendor upon request. Any tax improperly included in the awarded proposal or subsequent invoice shall not be payable by WCFL. Taxes for which WCFL is not legally exempt must be separately identified and may not be embedded in equipment, licensing, labor, freight, or other line-item pricing.

23. Vendor Certifications and Signature

By signing below, the bidder certifies that it has reviewed the RFP and addenda, that the proposal is accurate and complete, that pricing includes all items required for the proposed turnkey solution except specifically identified exceptions, and that the bidder is authorized to submit the proposal and enter into a contract if selected.

COMPANY: _____

ADDRESS: _____

CITY / STATE / ZIP: _____

PHONE: _____

E-MAIL: _____

SPIN: _____

AUTHORIZED NAME: _____

SIGNATURE: _____

TITLE: _____

DATE: _____

SPI INVOICING CAPABILITY: Yes / No (SPI preferred but not mandatory)