



Niles Township High Schools D219 Request for Proposal

E-RATE 2019 / FY 2020

Firewall Maintenance Services
Internet Bandwidth
Uninterrupted Power Supply
Cabling (Ethernet & Fiber)
Switching Infrastructure

**Proposal Due Date: March 1st, 2019
Before 2:00 PM**

January, 2019

D219 REQUEST FOR PROPOSAL

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Niles Township High Schools District 219

D219 is committed to providing an equitable learning environment that embraces diversity and individual student needs, while preparing students to achieve their full potential as a part of our global community. D219 is a public high school serving approximately 4,800 students in grades 9-12 and 700 full time equivalent staff in two high schools and one alternative high school, namely:

Niles West High School, 5701 Oakton Street, Skokie, Illinois 60077

Niles North High School, 9800 North Lawler Street, Skokie, Illinois 60077

Niles Central High School, 7700 Gross Point Road, Skokie, Illinois 60077

For more information, please visit our website: <https://www.niles-hs.k12.il.us/district-info/e-rate>

About the Project

This RFP is broken down into multiple sections. Responders must indicate what section they are responding to. Responders are welcome to bid for as many sections as they wish. Each section will be awarded at District 219's discretion.

The sections include:

Section 1: Firewall Maintenance Service

Section 2: Internet Bandwidth

Section 3: Uninterrupted Power Supply (UPS)

Section 4: Cabling (Ethernet & Fiber)

Section 5: Switching Infrastructure

Questions:

All questions regarding this RFP or any section of this RFP are due on or before February 15th at 2:00 p.m. via email to oyiido@d219.org. No direct response will be provided. Responses to all questions received will be posted on our website by 4:00 p.m. on February 21st. It is the responsibility of responder to check our website for responses by visiting this link <https://www.niles-hs.k12.il.us/district-info/e-rate>

Due Date & Submission:

District 219 will only accept sealed proposals labeled "District 219-E-Rate 2019 Proposal" at its Tech Center office location for time and date stamping before 2:00 pm on March 1st, 2019.

Mailing address:

ATTN: Oyin Idowu, Chief Technology Officer
District 219 Tech Center
7800 Gross Point Rd
Skokie, Illinois 60077

- Proposals should be submitted with three hard copies, and one digital PDF copy (on a flash drive)
- Please allow at least 3 business days for delivery of USPS Priority and Express Mail
- It is the responsibility of the responder to verify that RFPs are received on time at the stated location
- Any RFPs received after due date or time will be returned unopened to the responder. No exceptions will be allowed
- Faxed or emailed RFPs will not be accepted. All responders must conform
- All RFP's must be in accordance with the conditions and instructions provided herein
- All proposals must include a signed copy of the Certification Letter and Hold Harmless with original signatures

SCHEDULE**RFP/Events Schedule of Dates:**

Event	Date
RFP is published	January 10th, 2019
1st walkthrough	February 12th, 2019
2nd walkthrough	February 14th, 2019
Questions due for submission	February 15th, 2019
Answers to questions are posted on D219 website	February 21st, 2019
Proposals/responses due	March 1st, 2019

There will be two scheduled walkthroughs on the dates listed above lasting two hours each from 10:00 am to 12:00pm. Please plan to meet at the D219 Technology Center at 7800 Gross Point Road, Skokie IL. Diagrams and information about cabling and switching will be provided. Responders will also get an opportunity to visit our buildings, data center and wiring closets.

Proposal Format

Responder is to indicate the E-rate eligibility of each part or solution proposal. Shipping is to be included on all quotes.

- Responder must have at least three (3) school references of the same size or larger than Niles Township High Schools
- Responder must use the pricing template provided by D219 sections 1,2, & 3
- Proposals should be written in a concise, straightforward and forthright manner
- Superficial marketing statements and materials should be minimized
- Bid is contingent on E-rate funding and Niles Township High Schools Board of Education approval and does not bind Niles Township High Schools into a contract
- Certifications and security clearance of local service personnel are required
- Responder must have a valid E-rate SPIN number
- Responders must include an authorized copy of the **HOLD HARMLESS & CERTIFICATION LETTER**
- Responder is required to have a Service Center and Personnel within the State of Illinois
- Responder **must identify Non-Eligible Services or Products**. All proposals must clearly indicate a separate itemized list of any services or products which are NOT eligible for funding under the E-rate program as defined in the Schools and Libraries Universal Service Eligible Services List for the respective funding year.

Contract

Fixed-price contracts only to include all labor, material, equipment, services, software, hardware, travel, training, shipping, and cost associated with providing the products and services listed herein and offered by responder. A "not-to-exceed" clause may be included.

Project Management

All projects on this RFP will be managed using the PMBOK methodology. An assigned project manager will be expected. Please indicate how you intend to effectively manage the project within the constraints of scope, time and cost. Detailed documentation of scope, schedule, risk and communication will be

required as part of a comprehensive project management plan. For technical configurations, please include:

- Delivery of each component to its designated secured location
- Responder will propose and coordinate configurations with D219 IT Network Team prior to installation such as equipment naming, IP addresses, protocols, NTP servers, SNMP settings, etc.
- Install the specified equipment into provided racks
- Perform power-on system and functionality tests
- **Responder must provide post-deployment support for first day of student attendance**
- Perform and demonstrate a verification of network connectivity and functionality
- Provide documentation listing all equipment, part numbers, quantities, serial numbers, IP addressing and equipment naming. This documentation shall be delivered in CSV format

TERMS & CONDITIONS

Right to Reject Proposals

The Niles Township High Schools, District 219 reserves the right to reject any or all proposals, to waive technicalities or informality and to accept any proposal deemed to be in the best interest of the School District.

Liability and Insurance

The selected responder will hold harmless the Niles Township High Schools, District 219 from all legal liabilities arising out of the infringement of any patent or copyright in respect to the normal use of proposed hardware and be required to sign an agreement holding the District 219, its employees, representatives and agents harmless from any liabilities to the responder.

The selected responder shall maintain insurance to protect itself and District 219 from claims under the Workers' Compensation Act, and from any claim for personal injury, death, and damages to property which may arise from operations under this contract, whether by the responder or sub-responder.

Responder shall keep at least \$1,000,000 each of: Comprehensive, Liability, and Worker's Compensation insurance. Responder shall provide the certificate of insurance prior to contract approval. All Certificates shall contain a clause stating that the policy will not be canceled without thirty (30) days written notice to District 219. Certificate shall list District 219 as an additionally insured party.

Price Protection

Price quoted in the proposal shall be firm prices and not subject to increase during the term of any contractual agreement arising between the Niles Township High Schools, District 219 and a responder. Responders will quote on prices less any taxes. Responders should stipulate the expiration date of their quoted price. All prices will include shipping and handling.

Right to Purchase from Any Source

The Niles Township High Schools, District 219 reserves the right to purchase any desired equipment, software, or services from any source or sources in part or in whole.

Delivery Date

Responders will specify in proposals the expected delivery date of their equipment, services and/or products.

Systems Responsibility

Notwithstanding the contents of the RFP, it is the responsibility of the responder to verify the completeness, accuracy, and suitability of the responder's proposal to meet the requirements of the Niles Township High Schools, District 219. It is understood that all equipment, will operate effectively and to the satisfaction of the Niles Township High Schools, District 219 Technology Department, as required.

The successful responder will be obligated to provide a solution that meets all guarantees in their proposal for the price contained therein and that all products provided operate successfully with the Niles Township High Schools, District 219 existing internal connections, infrastructure, related systems and networks. All products must be completely new.

Rights to Submitted Material

All proposals, responses, inquiries, or correspondence relating to or in reference to this RFP, and all reports, charts, displays, schedules, exhibits, and other documents provided by responders will become the property of the Niles Township High Schools, District 219 when received. District 219 retains the right to use any or all system ideas presented in any proposal, whether amended or not amended. Selection or rejection of a proposal does not affect this right.

Disclaimer and Cancellation

The Niles Township High Schools, District 219 reserves the right to waive any informality received where such acceptance, rejection, or waiver is considered to be in the best interest of the Niles Township High Schools, District 219. Niles Township High Schools, District 219 also reserves the right to reject any proposal where evidence or information submitted by the Responder does not satisfy the Niles Township High Schools, District 219 that the responder is qualified to carry out the requirements of the contract documents.

Board of Education Contact

Responders or their agents shall not directly or indirectly contact any Board member before or during the RFP process of any project on which the business entity intends to or has submitted a proposal. Such proposal violation shall result in automatic disqualification. If the contact is discovered after project is awarded, the Board reserves the right to cancel the contract and the Responder shall be liable for any damage incurred by the District.

Selection Process:

- The successful responder(s) will be advised of selection via email, a notification of intention to recommend award. Any notification shall have no legal effect until the parties negotiate a mutually acceptable agreement that is approved by the school board. Unsuccessful responders also will be notified via email
- All personnel (responders and sub responders) that will be working on this project in the schools must observe all security and safety procedures of each school facility and must secure all record checks required by District 219
- On-site work at the school sites cannot commence until the provider has obtained all relevant certifications, licenses, permits and/or required qualifications for its workers and has presented required documentation for the personnel to work in the District's locations
- On-site work or selection notification cannot be issued until the responder has submitted a certificate of insurance

REQUEST FOR PROPOSAL(S)

SECTION 1: FIREWALL MAINTENANCE SERVICES - SCOPE OF WORK

Responders must provide pricing for parts listed below or equivalent from any manufacturer as long as functionality is similar.

- Provide two (1) year maintenance support and warranty contract for the Palo Alto firewall PA 3220.
- Responder shall provide pricing options for support and hardware replacement that are not covered under the E-rate allowed services.
- Use proposal template provided below
- Location:
 - Niles West High School, 5701 W. Oakton Street, Skokie, Illinois 60077
 - Niles North High School, 9800 North Lawler Street, Skokie, Illinois 60077

FIREWALL MAINTENANCE SERVICES - Pricing Template

Product Description

Pricing

Name	Price	QTY	Subtotal

Subtotal \$

Total \$

SECTION 2: INTERNET ACCESS - SCOPE OF WORK

Responders must provide pricing for parts or services listed below or equivalent from any manufacturer as long as functionality is similar. Responder must also provide pricing for professional installation and configuration services.

- a.) Provide, symmetrical bandwidth of [2, 5,10 GBps for each high school location]
 - Niles West High School, 5701 Oakton Street, Skokie, Illinois 60077
 - Niles North High School, 9800 North Lawler Street, Skokie, Illinois 60077
- b.)The solution must be scalable to [5,10, 20 Gbps].
- c.) Fiber transport is highly desirable
- d.) Each circuit must have a /25 public IP scheme.
- e.) Contract options are requested for 12 month, 36 month and 60 month terms of service
- f.) Each respondent is required to complete the attached pricing sheet with this RFP.
 - Special construction monthly recurring cost, and any additional non-recurring costs are **required** to be broken out and listed separately.
 - Respondents are free to propose alternate pricing items and must be listed separately.
 - If an increase in bandwidth is requested during the contract period the contract does not renew.

Internet Access Pricing Template

Bandwidth	Entities	Quantity	Price 12-month Term	Price 36-month Term	Price 60-Months Term
2 GBps	2	2			
5 GBps	2	2			
10 GBps	2	2			

SECTION 3: Uninterrupted Power Supply (UPS) Scope of Work

Responders must provide pricing for parts listed below or equivalent from any manufacturer as long as functionality is similar. Responder must also provide pricing for professional installation and configuration services

Location: Niles West High School

- (1) Tripp Lite Small Frame 3-Phase 208V with pre-installed controller, bypass and network card or equivalent
- (1) Hot-Swappable Power Module, 20kVA / 18kW for 2018/120V 220/127V SV Series UPS Systems or equivalent
- (1) UPS Battery Pack for SV- Series 3-Phase UPS +/- 120VCD, 1 Cabinet - Tower, TAA, Batteries included or equivalent.
- (1) Tripp Lite 3-Breaker Maintenance Bypass Panel for Select 20kVA, 30kVA UPS Systems or equivalent
- (1) Start-Up & 1-Year On-Site Warranty - 3-Phase 208V SV-Series and 400V
- Use proposal template provided on page 10

Location: Niles North High School

- (1) Tripp Lite Small Frame 3-Phase 208V with pre-installed controller, bypass and network card or equivalent
- (1) Hot-Swappable Power Module, 20kVA / 18kW for 2018/120V 220/127V SV Series UPS Systems or equivalent
- (1) UPS Battery Pack for SV- Series 3-Phase UPS +/- 120VCD, 1 Cabinet - Tower, TAA, Batteries included or equivalent
- (1) Tripp Lite 3-Breaker Maintenance Bypass Panel for Select 20kVA, 30kVA UPS Systems or equivalent
- (1) Start-Up & 1-Year On-Site Warranty - 3-Phase 208V SV-Series and 400V
- Use proposal template provided on page 10

Uninterrupted Power Supply (UPS) Pricing Template

Product Description

Pricing

Location	Item Name/Description	Price	QTY	Subtotal

Subtotal \$

Total \$

SECTION 4 - Cabling (4a. Ethernet & 4b. Internal Fiber)

Responders must provide pricing for parts listed below or equivalent from any manufacturer as long as functionality is similar. Responder must also provide pricing for professional installation and configuration services.

4a. Ethernet

The objective of this Request for Proposal (RFP) is to contract with a single Responder to provide network cabling installation and maintenance for all data closets at D219 School locations. This includes:

- Total patch cables installed must not exceed 20,000 feet.
- Replace all current patch cables with Category 6 ethernet cables
- All cables must be the appropriate length so that racks are cleanly organized and troubleshooting is much easier
- Work with D219 networking team to ensure special VLAN ports are patched appropriately
- Perform necessary cleaning and maintenance of network racks
- All new network wiring will be clearly labeled by responder on both ends with label maker
- Re-label patch panels where necessary
- All new network wiring, patch panels, and connectors will be a minimum Category 6, tested, labeled and certified to at least 1 GB/s
- Map locations are approximations for bidding, exact locations to be mutually agreed upon prior to installation
- The IDF and MDF network locations are also marked on the map for reference
- Pricing should include materials and professional installation services
- Work will need to take place outside the normal school operating hours when school is in session

Warranty: The Responder shall provide at least 20 years manufacturer's warranty.

All proposals regarding the cable under this must include coverage against defects in material and workmanship. Responder further agrees to replace all components which fail or do not perform according to the manufacturer's specifications during the warranty period at no cost to District 219.

The submitted proposal **must** include:

- Verification that the responder did a physical site review prior to submitting bid
- A 'not to exceed' amount in the price proposal. This is a fixed-cost project
- Process for work changes including authorization for additional charge
- Penalty for work delay or failure to meet initially agreed schedule

4b. Fiber

D219 is seeking to upgrade our fiber optic connections between the MDF and the various IDFs to support a minimum of 10 GBps connections. All proposals should include all necessary installation, termination panels, connectors, materials, mounting hardware, testing/certification.

This includes:

- All wiring will be clearly labeled by responder on both ends with label maker
- Responder will provide termination boxes or trays that fit on existing racks
- Responder shall terminate all fiber strands and label each strand at both ends
- Responder shall provide detailed test result and documentation of each fiber stand
- Appropriate 10 GBps multimode patch cables for each wiring closet (LC connector)
- All internal fiber runs shall not exceed a total of 20,000 feet (10,000 per school location)
- Map locations are approximations for bidding, exact locations to be mutually agreed upon prior to installation
- The IDF and MDF network locations are also marked on the map for reference
- Pricing should include materials and professional installation services
- The responder must leave the hallways, classrooms and ceiling tiles neat including after each work day

- All work must be coordinated with the Network Administrator. Responder must assume total responsibility for the actions of any/all sub-responders
- If a sleeve does not exist in the existing corridor walls new conduit should be installed for penetrations through walls or floors and shall be sealed with materials specified by D219 Maintenance department
- Cabling shall not be laid on ceiling grid structure, ceiling tiles or supported on any structure not specifically designed for supporting cables
- If a cable tray is not present, provide "J" hooks shall be installed at intervals of 4-6 feet
- Cable support devices shall be independently suspended from or attached to building structure or walls
- Cable sag in excess of 10 inches is not allowed
- All cables shall be neatly bundled and secured with appropriately rated fasteners
- Cables should not be installed within 4-feet of transformers/motors, when running parallel of power conduits or fluorescent light fixtures maintain a 1 foot separation

Warranty: The responder shall provide at least 25 years manufacturer's warranty.

All proposals regarding the cable under this must include coverage against defects in material and workmanship. Responder further agrees to replace all components which fail or do not perform according to the manufacturer's specifications during the warranty period at no cost to District 219.

The submitted proposal **must** include:

- Verification that the responder did a physical site review prior to submitting bid
- A 'not to exceed' amount in the price proposal. This is a fixed-cost project
- Process for work changes including authorization for additional charges
- Penalty for work delay or failure to meet initially agreed schedule

SECTION 5: Switching Infrastructure Scope of work

Responders must provide pricing for parts listed below or equivalent from any manufacturer as long as functionality is similar. Responder must also provide pricing for professional installation and configuration services

Location: Niles West High School

1. Core/Distribution Switching must have 40 gig uplink capabilities:

- (4) CISCO C9500-40X-A Catalyst 9500 40-port 10Gig switch, Network Advantage
- (4) CON-SNTP-C95004XA SNTC-24X7X4 Catalyst 9500 40-port 10Gig switch
- (4) C9500-NM-2Q Cisco Catalyst 9500 2 x 40GE Network Module
- (8) PWR-C4-950WAC-R 950W AC Config 4 Power Supply front to back cooling
- (8) CAB-TA-NA North America AC Type A Power Cable
- (4) C9500-DNA-40X-A C9500 DNA Advantage, Term licenses
- (4) C9500-DNA-A-3Y Cisco Catalyst 9500 DNA Advantage 3 Year License
- (6) SFP-10G-AOC1M 10GBASE Active Optical SFP+ Cable, 1M

2. Data Center Switching

- (2) N9K-C93108TC-EX Nexus 9300 with 48p 10G BASE-T 6p 100G QSFP28
- (2) CON-SNTP-93108TCX SNTC-24X7X4 Nexus 9300 48p 10G BASE-T 6p 10
- (2) NXOS-703I7.5 Nexus 9500, 9300, 3000 Base NX-OS Software Rel 7.0(3)I7(5)
- (8) NXA-FAN-30CFM-F Nexus 2K/3K/9K Single Fan, port side exhaust airflow
- (4) NXA-PAC-650W-PE Nexus NEBs AC 650W PSU - Port Side Exhaust
- (2) QSFP-H40G-AOC1M 40GBASE Active Optical Cable, 1m
- (2) QSF P-4X10G-AOC5M 40GBASE Active Optical QSFP 4SFP breakout Cable, 5m
- All switches must be 1RU

3: Data Closet Switching

- (20) HPE 5500 HI - 48 port or similar
- Dual power supply configuration on every switch
- Poe+ capabilities on each port
- At least (4) 10GbE uplink configuration on each switch
- (20) irf stacking modules
- (20) stacking cables
- (10) SFP+ multimode transceivers

Location: Niles North High School:

1. Core/Distribution Switching must have 40 gig uplink capabilities:

- (4) CISCO C9500-40X-A Catalyst 9500 40-port 10Gig switch, Network Advantage
- (4) CON-SNTP-C95004XA SNTC-24X7X4 Catalyst 9500 40-port 10Gig switch
- (4) C9500-NM-2Q Cisco Catalyst 9500 2 x 40GE Network Module
- (8) PWR-C4-950WAC-R 950W AC Config 4 Power Supply front to back cooling
- (8) CAB-TA-NA North America AC Type A Power Cable
- (4) C9500-DNA-40 X-A C9500 DNA Advantage, Term licenses
- (4) C9500-DNA-A-3Y Cisco Catalyst 9500 DNA Advantage 3 Year License
- (6) SFP-10G-AOC1M 10GBASE Active Optical SFP+ Cable, 1M

2. Data Center Switching

- (2) N9K-C93108TC-EX Nexus 9300 with 48p 10G BASE-T 6p 100G QSFP28
- (2) CON-SNTP-93108TCX SNTC-24X7X4 Nexus 9300 48p 10G BASE-T 6p 10
- (2) NX OS-703I7.5 Nexus 9500, 9300, 3000 Base NX-OS Software Rel 7.0(3)I7(5)
- (8) NXA-FAN-30CFM-F Nexus 2K/3K/9K Single Fan, port side exhaust airflow
- (4) NXA-PAC-650W-PE Nexus NEBs AC 650W PSU - Port Side Exhaust

- (2) QSFP-H40G-AOC1M 40GBASE Active Optical Cable, 1m
 - (2) QSFP P-4X10G-AOC5M 40GBASE Active Optical QSFP 4SFP breakout Cable, 5m
- 3: Data Closet Switching
- (20) HPE 5500 HI - 48 port or similar
 - Dual power supply configuration on every switch
 - PoE+ capabilities on each port
 - At least (4) 10GbE uplink configuration on each switch
 - (20) irf stacking modules
 - (20) stacking cables
 - (10) SFP+ multimode transceivers

HOLD HARMLESS AND INSURANCE AGREEMENT

A. INDEMNIFICATION AND HOLD HARMLESS

The responder shall defend, indemnify, and hold harmless District 219, District 219 Board of Education, the Superintendent and employees for and against all suits, actions, or claims brought for or on account of any work, accidents, injuries, workers compensation or damages (including death) sustained by any person or property, arising out of, any negligent act, agreements or omission of responder or any agent, employee, sub-responder or supplier of responder in the execution or performance of this project.

B. INSURANCE

Responder agrees to obtain and keep an insurance policy to cover liability in the minimum amounts of \$1,000,000 and will defend and hold harmless District 219 for personal injury, bodily injury and property damage.

- Said liability policies shall name Niles Township High Schools District 219 as additional insured party.
- Responder shall provide Certificates of Insurance evidencing that the aforesaid insurance coverage is in full force.

Date _____
 Signature _____
 Title _____
 Firm _____
 Address _____
 City _____ State _____ Zip Code _____
 Phone _____

Please return this form with your proposal.

CERTIFICATION LETTER

I, _____ representing _____, (company) certify that I have read and understood the terms, conditions and requirements of this RFP.

I state with certainty that my company is capable and will provide the requested products/service described herein.

I am the owner/agent of the company and I am authorized and empowered to contract. I guarantee and certify that all items included in the bid meets or exceeds specifications.

I accept that I may be required to demonstrate the features of the proposed service, equipment or software. I acknowledge that any misrepresentation of the product/service will result in disqualification from any consideration in the proposal process.

I further recognize that Niles Township High Schools, District 219 reserves the right to make its award for any reason considered advantageous to the school district. The solution selected may be without respect to price and other factors.

Date _____
Signature _____
Title _____
Address _____
City _____ State _____ Zip Code _____
Phone _____

Please return this form with your proposal.