



FCC Form 470 – Funding Year 2019

Form 470 Application Number: 190000033

Cat2

Billed Entity

ESH School District 1
 111 Test Street
 Reston, VA 20171
 111-111-1111
 heather@educationsuperhighway.org

Contact Information

ESH School District1 User1
 esh.school.district1.user1@mailinator.com
 555-555-5551

Billed Entity Number: 16030001

FCC Registration Number: 1234567890

Application Type

Applicant Type: School District

Recipients of Services: Head Start; Pre-K; Public School; Public School District

Number of Eligible Entities: 3

Consulting Firms

Name	Consultant Registration Number	Phone Number	Email

Consultants

Name	Phone Number	Email

RFPs

Id	Name
18058	ES floorplan
18059	HS floorplan

Category One Service Requests

Service Type	Function	Other	Minimum Capacity	Maximum Capacity	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs

Description of Other Functions

Id	Name

Narrative

Category Two Service Requests

Service Type	Function	Manufacturer	Other	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Internal Connections	Switches	No Preference			18	Each	Yes	18058, 18059

Service Type	Function	Manufacturer	Other	Entities	Quantity	Unit	Installation and Initial Configuration?	Associated RFPs
Internal Connections	Antennas, Connectors, and Related Components	No Preference		2	16	Each	Yes	18058, 18059
Internal Connections	WAP	No Preference			30	Each	Yes	18058, 18059
Internal Connections	Wireless Controller	No Preference			1	Each	Yes	18058, 18059
Internal Connections	UPS/Battery Backup	No Preference			4	Each	Yes	18058, 18059
Internal Connections	Cabling	No Preference		2		Feet	Yes	18058, 18059
Internal Connections	Cabling	No Preference		2		Feet	Yes	18058, 18059
Managed Internal Broadband Services	Existing Equipment			2				18058, 18059

Description of Other Manufacturers

Id	Name
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Narrative

We are looking to upgrade the entire internal networks at both our schools in order to achieve a 10Gbps backbone and wireless coverage capable of supporting 1:1 in all learning areas. This project includes upgrades of existing switches, wireless AP's, cabling, and related components. We are also seeking a quote for managed internal broadband service to operate, manage, and monitor the networks. The following is what is currently in place at each school and should be used as an estimated starting point. Per USAC rules, vendors are allowed to propose higher quantities than what is on the Form 470 based on an assessment of our needs.

High school: 9x 48 port switches, 3 IDFs with 2 post racks, 20 WAPs

Elementary School: 5x 48 port switches, 1 IDF with 2 post rack, 10 WAPs

We are requesting the following equipment plus installation, activation, and initial configuration for all services.

Installation services must also include basic training of the equipment once installed as well as pre and post installation wireless site surveys. All equipment should include necessary software and licenses. Internet access, WAN connectivity, and firewalls are currently sufficient. See the attached floor plans for building layouts.

Switches

-2 core switches for the MDF in each school, capable of supporting 2x 10 Gbps fiber uplinks to each IDF. Core switches must have secondary power supplies and be able to be stacked for maximum resiliency.

-48 port, 1 Gbps non-blocking access switches in IDFs that must be capable (at a minimum) of 2x 10 Gbps fiber uplinks, POE+, and stacking.

-4x 10 Gbps SFPs per IDF.

Switch quantities should take into account 20% spare ports for future growth.

Wireless

-All WAPs should be 802.11ac, dual band with minimum rates of 450Mbps on 2.4GHz and 1300Mbps on 5GHz.

-There should be at least one 3x3:3 WAP in each classroom and office area.

-Common areas should have 4x4:4 WAPs.

-Wireless controller or cloud licenses capable of supporting proposed WAP solution must be included. If proposing a controller based solution, controller should be able to support 20% additional WAPs for future growth.

Cabling and UPS

-UPS units in each IDF need to be rack mountable and capable of at least a 30 minute runtime at full load.

-New CAT6a cabling for all AP's (this includes all necessary cable, jacks, patch panels, and 2 patch cables per run).

-New fiber between IDFs and MDF in each building capable of eventually supporting 40 Gbps (this includes all necessary cable, patch panels/cassettes/splice trays/enclosures, and 4x patch cables per IDF).

Managed Internal Broadband Service

1 and 3 year contract options requested for the operation, management, and monitoring of all E-rate eligible network components. Pricing should include monthly recurring cost and any one-time setup fees required. Proposals must include an escalation contact list and an SLA for responding to outages and problems with general resolution timelines. Contracts may be awarded to different vendors for the equipment and managed service, but vendors are free to respond with equipment and managed service bids.

Mandatory site visit will be held August 15, 2018 at 10:00AM to walk both schools. Meet at the high school. Bids are due October 1, 2018 at 11:00AM. Implementation of any and all proposals is contingent on a positive funding commitment.

Technical Contact

State and Local Procurement Restrictions

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Billed Entities

Billed Entity Number	Billed Entity Name
16030001	ESH School District 1

Certifications

I certify that the applicant includes:

I certify that the applicant includes schools under the statutory definitions of elementary and secondary schools found in the No Child Left Behind Act of 2001, 20 U.S.C. §§ 7801 (18) and (38), that do not operate as for-profit businesses, and do not have endowments exceeding \$50 million.

Other Certifications

I certify that this FCC Form 470 and any applicable RFP will be available for review by potential bidders for at least 28 days before considering all bids received and selecting a service provider. I certify that all bids submitted will be carefully considered and the bid selected will be for the most cost-effective service or equipment offering, with price being the primary factor, and will be the most cost-effective means of meeting educational needs and technology goals.

I certify that I have reviewed all applicable FCC, state, and local procurement/competitive bidding requirements and that I have complied with them. I acknowledge that persons willfully making false statements on this form may be punished by fine or forfeiture, under the Communications Act, 47 U.S.C. §§ 502, 503(b), or fine or imprisonment under Title 18 of the United States Code, 18 U.S.C. § 1001.

I acknowledge that FCC rules provide that persons who have been convicted of criminal violations or held civilly liable for certain acts arising from their participation in the schools and libraries support mechanism are subject to suspension and debarment from the program.

I certify that I will retain required documents for a period of at least 10 years (or whatever retention period is required by the rules in effect at the time of this certification) after the later of the last day of the applicable funding year or the service delivery deadline for the associated funding request. I certify that I will retain all documents necessary to demonstrate compliance with the statute and Commission rules regarding the form for, receipt of, and delivery of services receiving schools and libraries discounts. I acknowledge that I may be audited pursuant to participation in the schools and libraries program. I certify that the services the applicant purchases at discounts provided by 47 U.S.C. § 254 will be used primarily for educational purposes, see 47 C.F.R. § 54.500, and will not be sold, resold or transferred in consideration for money or any other thing of value, except as permitted by the Commission's rules at 47 C.F.R. § 54.513. Additionally, I certify that the entity or entities listed on this form have not received anything of value or a promise of anything of value, other than services and equipment sought by means of this form, from the service provider, or any representative or agent thereof or any consultant in connection with this request for services.

I acknowledge that support under this support mechanism is conditional upon the school(s) and/or library(ies) I represent securing access, separately or through this program, to all of the resources, including computers, training, software, internal connections, maintenance, and electrical capacity necessary to use the services purchased effectively. I recognize that some of the aforementioned resources are not eligible for support. I certify that I have considered what financial resources should be available to cover these costs. I certify that I am authorized to procure eligible services for the eligible entity(ies). I certify that I am authorized to submit this request on behalf of the eligible entity(ies) listed on this form, that I have examined this request, and to the best of my knowledge, information, and belief, all statements of fact contained herein are true.

NOTICE:

In accordance with Section 54.503 of the Federal Communications Commission's ("Commission") rules, certain schools and libraries ordering services that are eligible for and seeking universal service discounts must file this Description of Services Requested and Certification Form (FCC Form 470) with the Universal Service Administrator. 47 C.F.R. § 54.503. The collection of information

stems from the Commission's authority under Section 254 of the Communications Act of 1934, as amended. 47 U.S.C. § 254. The data in the report will be used to ensure that schools and libraries comply with the competitive bidding requirement contained in 47 C.F.R. § 54.503. Schools and libraries must file this form themselves or as part of a consortium.

An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

The FCC is authorized under the Communications Act of 1934, as amended, to collect the information requested in this form. We will use the information you provide to determine whether you have complied with the competitive bidding requirements applicable to requests for universal service discounts. If we believe there may be a violation or a potential violation of any applicable statute, regulation, rule or order, the information you provide in this form may be referred to the Federal, state, or local agency responsible for investigating, prosecuting, enforcing, or implementing the statute, rule, regulation or order. In certain cases, the information you provide in this form may be disclosed to the Department of Justice or a court or adjudicative body when (a) the FCC; or (b) any employee of the FCC; or (c) the United States Government is a party of a proceeding before the body or has an interest in the proceeding. In addition, information provided in or submitted with this form, or in response to subsequent inquiries, may also be subject to disclosure consistent with the Communications Act of 1934, FCC regulations, the Freedom of Information Act, 5 U.S.C. § 552, or other applicable law.

If you owe a past due debt to the federal government, the information you provide in this form may also be disclosed to the Department of the Treasury Financial Management Service, other Federal agencies and/or your employer to offset your salary, IRS tax refund or other payments to collect that debt. The FCC may also provide the information to these agencies through the matching of computer records when authorized.

If you do not provide the information we request on the form, the FCC or Universal Service Administrator may return your form without action or deny a related request for universal service discounts.

The foregoing Notice is required by the Paperwork Reduction Act of 1995, Pub. L. No. 104-13, 44 U.S.C. § 3501, et seq.

Public reporting burden for this collection of information is estimated to average 3.5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, completing, and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the reporting burden to the Federal Communications Commission, Performance Evaluation and Records Management, Washington, DC 20554. We also will accept your comments via the email if you send them to PRA@FCC.gov. DO NOT SEND COMPLETED WORKSHEETS TO THESE ADDRESSES.

Authorized Person

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Certified Timestamp

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