

E-Rate Form 470 Request for Proposals

for the provision of High Capacity Ethernet

Issued by
Hillsboro School District
3083 NE 49th Place
Hillsboro, Oregon 97214

The purpose of this Request for Proposals (Solicitation) is to obtain competitive Offers from qualified Firms (Proposers) interested in the provision of for high capacity Metro Ethernet between the following locations:

- Hillsboro School District Admin Center, 3083 NE 49th Pl, Hillsboro, OR 97124
- Brookwood Elementary School, 3960 SE Cedar St, Hillsboro, OR 97123
- Butternut Creek Elementary, 20395 SW Florence St, Aloha, OR 97078
- Century High School, 2000 SE Century Blvd, Hillsboro, OR 97123
- Eastwood Elementary School, 2100 NE Lincoln St, Hillsboro, OR 97124
- Facilities and Support Services, 4901 SE Witch Hazel Rd, Hillsboro, OR 97123
- Farmington View Elementary School, 8300 SW Hillsboro Hwy, Hillsboro, OR 97123
- Free Orchards Elementary School, 2499 S Beech St, Cornelius, OR 97113
- Groner K-8 School, 23405 SW Scholls Ferry Rd, Hillsboro, OR 97123
- Hillsboro High School, 3285 SE Rood Bridge Rd, Hillsboro, OR 97123
- Imlay Elementary School, 5900 SE Lois St, Hillsboro, OR 97123
- Indian Hills Elementary School, 21260 SW Rock Rd, Beaverton, OR 97006
- Jackson Elementary School, 675 NE Estate Dr, Hillsboro, OR 97124
- J W Poynter Middle School, 1535 NE Grant St, Hillsboro, OR 97124
- Ladd Acres Elementary School, 2425 SE Cornelius Pass Rd, Hillsboro, OR 97123
- Lenox Elementary School, 21200 NW Rock Creek Blvd, Portland, OR 97229
- Liberty High School, 7445 NE Wagon Dr, Hillsboro, OR 97124
- Lincoln Street Elementary School, 801 NE Lincoln St, Hillsboro, OR 97124
- Miller Education Center East, 215 SE 6th Ave, Hillsboro, OR 97123
- Miller Education Center West, 560 SE 3rd Ave, Hillsboro, OR 97123
- Miller Education Center Annex, 451 SE Walnut St, Hillsboro, OR 97123
- Minter Bridge Elementary School, 1750 SE Jacquelin Dr, Hillsboro, OR 97123
- Mooberry Elementary School, 1230 NE 10th Ave, Hillsboro, OR 97124
- North Plains Elementary School, 32030 NW North Ave, North Plains, OR 97133
- Northwest Regional Education Service District, 5825 NE Ray Cir, Hillsboro, OR 97124
- Orenco Elementary School, 7050 Northeast Birch Street, Hillsboro, OR 97124
- Peter Boscow Conference Center, 452 NE 3rd Ave, Hillsboro, OR 97124
- Quatama Elementary School, 6905 NE Campus Way, Hillsboro, OR 97124
- Raymond Arthur Brown Middle School, 1505 SE Cornelius Pass Rd, Hillsboro, OR 97123
- Reedville Elementary School, 2695 SW 209th Ave, Beaverton, OR 97006
- Rosedale Elementary School, 3901 SE 67th Ave, Hillsboro, OR 97078
- South Meadows Middle School, 4690 SE Davis Rd, Hillsboro, OR 97123

- Tobias Elementary School, 1065 SW 206th Ave, Aloha, OR 97006
- Transportation, 1220 SW Walnut St, Hillsboro, OR 97123
- West Union Elementary School, 23870 NW West Union Rd, Hillsboro, OR 97124
- W L Henry Elementary School, 1060 SE 24th Ave, Hillsboro, OR 97123
- W. Verne McKinney Elementary School, 535 NW Darnielle St, Hillsboro, OR 97124

1. SCOPE.

- a. The Agency is requesting proposals from contractors able to provide dark fiber or high capacity point-to-point ethernet services.
- b. Requirements:
 - i. Service Provider Identification Number (SPIN) and FCC Registration Number (FCCRN)
 - ii. The proposer shall provide a valid SPIN number (Service Provider Identification Number), in the proposal submitted in response to this RFP or support a copy of its FCC Form 498 that has already been submitted to USAC. (See <http://www.universalservice.org/fund-administration/forms/> for more information.)
 - iii. For proposers that intend to provide telecommunications services (as opposed to solely proposing to provide equipment, monitoring/management services, or configuration/implementation services), the proposer must be recognized by USAC as a telecommunications common carrier. The proposer also shall provide the company's FCC Registration Number in its proposal. For more information, please visit:
<https://fjallfoss.fcc.gov/coresWeb/publicHome.do>.
 - iv. Each proposer also must certify that it is in good standing and not subject to "Red Light Status" with the FCC
 - v. Responders must demonstrate the capacity to meet the network build requirements through client references, prior work and financial documentation.
 - vi. Proposals must include pricing for the following contract lengths:
 1. Month to Month
 2. Three (1) Months
 3. Six (6) Months
 4. Twelve (12) Months

- vii. Ethernet Circuit capacities must be quoted for the following capacities:
 - 1. 500Mbps
 - 2. 1Gbps to 10Gbps in 1Gbps increments.
- viii. Proposals must include:
 - 1. Non-recurring installation costs.
 - 2. Itemized list of taxes, maintenance, support, and any other recurring fees that are not included in the quoted price of the circuit or fiber lease.
 - 3. Service Level Agreement.
 - 4. Build Out Schedule.
- ix. A detailed description of the penalties vendor is willing to provide for non-performance and/or violations of Service Level Agreement.

2. Metro Ethernet Services

- a. Transport Internet Protocol (IP) data packets to and from a specified Ethernet interconnection point at each physical address for which service is contracted. Other communications protocols may be used to transport data packets; however, IP over Ethernet is required at the user and network interfaces.
- b. Following the Open Systems Interconnection (OSI) model: Layer two interfaces will be Ethernet, preferably meeting Metro Ethernet standards such as VPWS, VPLS, IEEE 802.1ad (QinQ), IEEE 802.1ah (MAC in MAC), and IEEE 802.1Qay (PBB-TE).
- c. Preferred layer one hand-off is 1G RJ45 for 500Mbps and 1Gbps connections; 10G-SR for 2Gbps-10Gbps connections.
- d. Transport services must be available with at least 99.99 percent reliability. Even though the "tail-circuit" into the end-user facility need not be redundant, Agency will give preference to vendors with geographic route-diversity from the community in which the end-user facility is located to the exchange facility.
- e. The transport network shall proactively be monitored, including all associated equipment using traditional network management systems found in a Network Operations Center (NOC). Network service operations shall be 24x7x365. The Customer must have basic up/down status and bandwidth utilization monitoring capabilities of the WAN Core backbone and each WAN Hub circuit.
- f. The data access and transport provider must be willing to agree to Service Level Agreements (SLAs) with financial penalties for service outages, lack of availability of the contracted service capacity and any failure to meet quality of service specifications for transit delay, jitter and packet loss.

- g. Proposals must list underlying physical transport technologies that will be used in providing the proposed services.
- 3. Access and Transport Requirements
 - a. Proposers must agree to work with The Agency's network staff to provide and receive network telemetry data necessary to resolve any network quality problems that occur.
- 4. Proposal Format

Divide the proposal into the below sections. Address each individual requirement.

- a. Basic Requirements
 - i. Address Section 1.Scope, b., i. through iv.
- b. References / Prior Work / Financial Documentation
 - i. Address Section 1.Scope, b., v.
- c. Metro Ethernet Requirements
 - i. Address Section 2.Metro Ethernet Services (all)
 - ii. Address Section 3,Access and Transport Requirements
- d. Pricing
 - i. Address Section 1.Scope, b., vi through viii
 - ii. SLA Penalties, Section 1.Scope,b, ix
- e. Service Level Agreements
 - i. SLA, Section 1.Scope b.,viii.3
 - ii. Build Out Schedule, Section 1.Scope.b.viii.4
- 5. Evaluation of Proposals

Scoring of the proposal shall follow the below weighting:

- i. Basic Requirements (5%)

- ii. References / Prior Work / Financial Documentation (10%)
- iii. Metro Ethernet Requirements (30%)
- iv. Cost of eligible services (35%)
- v. Service Level Agreement, Recovery Time Objective, Build Out (20%)

6. Submission Process:

All quote submissions must be sent via email, including all relevant attachments in PDF format to the following email address prior to the closing of the 470 window due date on Feb. 22, 2019.

TSRFPResponse@hsd.k12.or.us