

# **Todd County Public Schools Wide Area Network (WAN) Connectivity Request for Proposals**

## **About energynet**

Since 1999, energynet has continually looked for ways to provide affordable, high-quality telecommunications services to area businesses. energynet will continue to seek new avenues to meet local needs and keep our communities competitive in the global marketplace.

We thank you for the opportunity to showcase our offerings and are sure that we can provide you with the affordable, high-quality service you seek!

Timothy Griffey  
IT Director



## Section 1: Overview

Todd County Public Schools (TCPS) is seeking a fiber connected wide area network (WAN) provided by a single billing vendor/provider. This service is currently delivered via a lit fiber service to each district entity location.

TCPS (Owner) is accepting proposals for lit fiber (vendor owned, maintained, and lit). Owner is also accepting proposals for network hardware and hardware maintenance for lit fiber that meets the state KETS standards. Vendors are encouraged to submit proposals with multi-year (3year) agreement and renewal options.

Cost proposals should show distance, materials, and costs for connections for all sites individually. Additionally, proposals should describe any costs for right-of-way easements, pole attachments, and all associated permits.

Proposals shall address the following district requirements:

- Minimum data speed of 1Gbps, 10 Gbps preferred, to all 5 locations (see Section 5)
- Reliability of service
- Expandability to additional school sites
- Capabilities such as VoIP, streaming video, etc.

Cost proposals shall show the following:

- Initial install costs
- On-going support and maintenance costs
- Recurring and non-recurring charges

Proposals should also include any monthly payment schedules over the life of the contract and costs to upgrade the infrastructure as newer technology becomes available.

Potential vendors shall provide adequate references for past projects of this size and scope. All questions must be submitted in writing via email to the technical point of contact with the subject line of "Todd County Schools District WAN Connectivity". All proposals must be delivered as sealed bids to the address provided below by 11:30 AM, March 5, 2025.

Owner reserves the right to determine the ability of any vendor, contractor, or subcontractor to perform the work and/or reject all proposals. The billing vendor must have a valid ERate SPIN

number and meet all ERate guidelines for the life of the agreement. Failure of the selected vendor to maintain eligibility for ERate reimbursement is grounds for termination of the contract without penalty to the district. Denial of the district's request for funding from the ERate program or denial of funding support from the Kentucky Department of Education are grounds for early termination of the agreement without penalty to the district.

In determining the quality of the vendor's proposal, the Owner shall take into consideration the cost of service (initial and life of contract), vendor's skill, experience, facility, NOC, previous work standing, financial standing, past experiences with the vendor, capacity and ability to handle new work in addition to projects that are already in progress, quality and efficiency of construction plant, compatibility with existing district equipment, and quality of equipment to be utilized on the project.

This document does not replace any code, either partially or wholly. The contractor must be aware of local codes that may impact this project. If this document or any document listed herein is in conflict with each other or any national, state or local codes, the Service Provider has the responsibility to determine and adhere to the most recent release when developing the proposal.

Understand and comply.

We have attached quotes for 1 Gbps and 10 Gbps. HES energynet's aims for complete reliability and uptime with our fiber service. We back it up with 24/7 Tech Support and on call escalation. Our fiber service is compatible with VoiP services and video streaming. We are able to install fiber at additional sites within our service area.

HES energynet Service Provider Identification Number: 143015329

For References for past projects of this size and scope, see page 8.

## Section 2: Wide Area Network Specifications and Requirements

### Option A: Lit Fiber

- A. As a managed service the fiber should be pre-lit.  
Understood.
- B. Fiber handed off to Owner must be with LC connectors.  
Understood.
- C. Vendor must provide all necessary termination materials to connect to Owner's equipment.  
Understood.
- D. Required data speed of 1Gbps minimum (10Gbps preferred) and ability to easily upgrade at a later time without infrastructure change. Pricing shall be provided for 1Gbps and 10Gbps.  
We can provide speeds of 1 Gbps to 10 Gbps without infrastructure changes.
- E. An existing presence of service in the area(s) of the district facilities is preferred. Multiple provider agreements with a single billing agent will be accepted for review.  
Understood.
- F. All connections must provide assurance of the bandwidth requested.  
Understood.
- G. The WAN must remain isolated from traffic on the service provider's other networks or transmission medium.  
Understood.
- H. Service provider shall not sniff or inspect any data that is transmitted by the Owner without express written consent for each instance and only for use in troubleshooting network related issues.  
Understood.
- I. The service provider shall be responsible for determining all make-ready charges, application, and ongoing fees for right of way, pole rental agreements and permits throughout the life of the contract, or for the life of the infrastructure installed.
- J. Responsibility for these charges must be specified in the proposal.  
Understood.
- K. The provider must be responsible for all physical and infrastructure changes required by city, county, state, or federal agencies, and must adhere to all local, state, and federal codes.  
Understood.
- L. The service must connect to the Owners existing network equipment (no new equipment shall be required to be purchased by the district).  
Understood.
- M. Managed service provider will only provide Layer II connectivity, no Layer III routing. If co-located, access to NOC shall be provided as needed for troubleshooting and upgrading

of any district owned equipment.

Understood.

- N. Owner shall not be required to contact the provider when making VLAN configuration changes.

Understood.

- O. Service provider shall in no way place restrictions on the content, data or data types that may be transmitted across the fiber network.

Understood.

- P. Service provider will be responsible for all fiber repair(s) at no cost to the district.

Understood.

- Q. Fiber shall use existing poles on TCPS grounds and follow existing communication routes into the building. Existing conduits should be considered before trenching or burrowing new routes. Any new entries must meet National and State Electrical Codes and be preapproved by the TCPS Director of Maintenance and Director of Technology.

Understood.

- R. Service shall be compatible with Kentucky Department of Education guidelines and all KETS master contract network hardware manufacturers. The manufacturers can be located here: <http://education.ky.gov/districts/tech/kpur/Pages/Net-Hardware.aspx>

Understood.

- S. Service provider will use commercially reasonable efforts in keeping with industry standards to ensure that the services are available to the Owner twenty-four hours a day, seven days a week. In the event of prolonged loss of service, provisions will exist for service credit.

Understood.

### Section 3: Hardware and maintenance

- A. All self-provisioned fiber is already owned by Todd County Schools.  
Understood.
- B. All fiber strands are terminated in a rack mounted patch panel at each end.  
Understood.
- C. Self-provisioned fiber will be lit by the Owner.  
Understood.
- D. Fiber is single mode and terminated using LC connectors.  
Understood.
- E. Vendor must provide all necessary termination materials to connect to Owner's equipment.  
Understood.
- F. The hardware must connect to Owner's existing network equipment (no new equipment shall be required to be purchased by the district).  
Understood.
- G. All fiber pathways are point to point between Owner sites and the network core, see Section 5.  
Understood.
- H. Service shall be compatible with Kentucky Department of Education's guidelines and all KETS master contract network hardware manufacturers. The manufacturers can be located here: <http://education.ky.gov/districts/tech/kpur/Pages/Net-Hardware.aspx> I. ERate eligible maintenance agreements will also be considered for this project.  
All understood and will comply.

**Section 4: Additional Information****RFP Submissions (sealed):**

Wide Area Network (WAN) Connectivity  
Atten: Bids/Preston Browning  
Todd County Public Schools  
205 Airport Rd.  
Elkton, KY 42220

**Technical Point of Contact:**

Matthew Case  
Chief Information  
Officer Todd County Public  
Schools  
matthew.case@todd.kyschools.us

**Section 5: District Locations:**

Todd County Board of Education 205  
Airport Rd.  
Elkton, KY 42220

North Todd Elementary School 7300  
Greenville Rd.  
Elkton, KY 42220

South Todd Elementary School 4115  
Guthrie Rd.  
Guthrie, KY 42234

Todd County Middle School 515  
W. Main St.  
Elkton, KY 42220

Todd County Bus Garage  
207 Garth Ln.  
Elkton, KY 42220

References for past projects of this size and scope

Christian County Board of Education  
Jason Wilson – District Technology Coordinator  
200 Glass Avenue  
Hopkinsville, KY 42240  
270-887-7000  
[jason.wilson@christian.kyschools.us](mailto:jason.wilson@christian.kyschools.us)

City of Hopkinsville  
Darryl D. Anderson – Director of Information Technology  
715 South Virginia Street  
Hopkinsville, KY 42240  
(931) 266-2150  
[darryl.anderson@hopkinsvilleky.us](mailto:darryl.anderson@hopkinsvilleky.us)



# energynet LET'S CONNECT

Description	Contract Length	One Time Cost	Quantity	Monthly Recurring
Connect Transit 10 Gbps (10 Gbps / 100C 36 Mo		\$ -	1	\$ 540.00
Connect Transit 10 Gbps (10 Gbps / 100C 36 Mo		\$ -	1	\$ 540.00
Connect Transit 10 Gbps (10 Gbps / 100C 36 Mo		\$ -	1	\$ 540.00
Connect Transit 10 Gbps (10 Gbps / 100C 36 Mo		\$ -	1	\$ 540.00
Connect Transit 10 Gbps (10 Gbps / 100C 36 Mo		\$ -	1	\$ 540.00
<b>Total</b>		<b>0 \$</b>	<b>-</b>	<b>\$ 2,700.00</b>

Order Notes For locations, Todd County Board of Education 205 Airport Rd.  
 Elkton, KY 42220, North Todd Elementary School 7300 Greenville Rd.  
 Elkton, KY 42220, South Todd Elementary School 4115 Guthrie Rd.  
 Guthrie, KY 42234, Todd County Middle School 515 W. Main St.  
 Elkton, KY 42220, Todd County Bus Garage  
 207 Garth Ln. Elkton, KY 42222  
 These services may be delivered over XGS-PON

Documents Prepared on 3/5/2025

Prepared by Brian Cook