NEW HAVEN PUBLIC SCHOOLS

Operations Memorandum

To: New Haven Board of Education Finance and Operations Committee
From: **Gilda Herrera**
Date: **1/10/2022**
Re: **CEN Contract Renewal**

Contractor Name: Connecticut Education Network

Contractor Address: 55 Farmington Avenue, Hartford CT 06105

Is the contractor a Minority or Women Owned Small Business?

Renewal or Award of Contract/Agreement? Yes
Total Amount of Contract/Agreement and the Hourly or Service Rate not to exceed,
$480,000 without Erate/$48,000 per year with ERate discount.
Funding Source & Account #:190-47200-52265

Key Questions: (Please have someone ready to discuss the details of each question during the Finance & Operations meeting or this proposal might not be advanced for consideration by the full Board of Education):

1. **What specific service will the contractor provide:** to provide internet services for all schools and administrative office in the New Haven Public School District from July 1, 2021 to June 30, 2022, in an amount not to exceed $48,000.00.

2. **How was the contractor selected? Quotes? RFP? Sealed Bid or Sole Source? Please describe the selection process including other sources considered and the rationale for selecting this method of selection: Sole Source**

3. **If this is a renewal with a current vendor, has the vendor's performance been satisfactory under the existing contract or agreement? Yes**

4. **If this Contract/Agreement is a Renewal has cost increased? If yes, by how much? No**

5. **If this Contractor is New has cost for service increased from previous years? If yes, by how much?No, decresed $960.00**

6. **Is this a service existing staff could provide? Why or why not? No**

CEN
Connecticut's Trusted Internet Partner

Company Address	55 Farmington Ave Hartford, CT 06105 US	Created Date	12/27/2021
		Quote Number	00002051

Opportunity Owner	Paul Tarsa		
Email	paul.tarsa@uconn.edu		

Ship To Name	New Haven Board of Education	Contact Name	Gilda Herrera
Ship To	54 Meadow St, Data Center New Haven, CT 06519	Phone	475-220-1694
		Email	gildemar.herrera@new-haven.k12.ct.us

Description	CEN is pleased to offer Internet Access and Data transmission Service in response to 470#220006112. See attached document for list of services included at no additional charge (CEN Internet - Base Service Feature Set). Pricing shown is monthly. SPAC (Service Provider Annual Certification) is up-to-date. CEN offers SPI and BEAR invoicing methods and is registered with SPIN # 143.049.066.

Product	List Price	Quantity	Total Price
Internet Access 10G	$3,920.00	1.00	$3,920.00
Internet Access100G	$14,700.00	1.00	$14,700.00

CEN Fiscal Year 2023 Pricing
Effective July 1, 2022

FY22 ISP (for reference)			FY 23 ISP			Firewall Services		Additional IPv4			
Handoff Speed (in Gbps)*	Committed Data Rate (in Mbps)	FY22 Monthly Price	Handoff Speed (in Gbps)*	Committed Data Rate (in Mbps)	FY23 Monthly Price	Virtual Firewall*	Fully Managed (add-on)*	CIDR	Address Allocated	MRC	Price/IP
1 Gbps	25	$123	1 Gbps	25	$ 123	$125	+ $ 79	/ 29	8	$28	$3.50
	50	$245		50	$ 245	$160	+ $ 85	/ 28	16	$48	$3.00
	100	$440		100	$ 440	$250	+ $ 93	/ 27	32	$80	$2.50
	500	$735		500	$ 735	$750	+ $ 117	/ 26	64	$128	$2.00
	1000	$1,170		1000	$ 1,170	$1,200	+ $ 141	/ 25	128	$192	$1.50
	2x1000	$1,860		2x1000	$ 1,860	$2,400	+ $ 163	/ 24	256	$256	$1.00
	3x1000	$2,255		3x1000	$ 2,255	$3,600	+ $ 187				
	4x1000	$2,646		4x1000	$ 2,646	$4,800	+ $ 234				
10 Gbps	2000	$1,860	10 Gbps	2000	$ 1,860	$2,400	+ $ 163				
	5000	$2,940		5000	$ 2,940	$6,000	+ $ 280				
	10000	$3,920		10000	$ 3,920	$12,000	+ $ 466				
100 Gbps	unlimited	$14,700	100 Gbps	unlimited	$14,700	Call	ICB				

- All ports require minimum commit level
- ISP prices do not include transport
- Please contact you member services representative for new or changes to existing services
- IPv4 address based on availability
- * = Setup charges may apply

CEN Internet - Base Service Feature Set

- 1 Gbps, 10 Gbps, and 100 Gbps fiber optic Ethernet handoff options
- Symmetrical up/download speeds and dedicated bandwidth
- On-demand burst-ability up to the full handoff speed
- /29 Static IPv4 and /48 IPv6 Publicly Routable IP Addresses
- BGP Routing (optional) for multi-homing multiple ISP networks
- Jumbo Frame (9100 MTU) Support
- Advanced Layer 2/3 Private Ethernet Circuits for point-to-point or point-to-multipoint (E-LINE, E-LAN)
- 24x7x365 Network Operations Center (NOC) monitoring and dedicated support team
- DDoS (distributed denial of service) Monitoring, Mitigation & Advanced Threat Protection
- CIPA-compliant Web Filtering (K-12 and Libraries)
- Name Server (DNS) Hosting (CEN Manages k12.ct.us)
- Adherence to the principals of 'Net Neutrality'
- Internet2 national backbone and Community Anchor Services
- Cloud Connectivity to AWS, MER, GCP
- Multiple Global Internet backbone providers
- Mutually Agreed Norms for Routing Security (MANRS) compliant
- Access to CEN Video Conference Bridge