

# Cyber Security Matching Grant

## PE Partners Grant Application

<b>Application Date:</b>	1/5/2024 9:02:22 AM
<b>Participant city (or Agency) Name:</b>	City of Kingsport
<b>P.O. Box Address or Street:</b>	415 Broad St
<b>City:</b>	Kingsport
<b>Zip Code:</b>	37660
<b>Contact Person:</b>	Kristen Hodgson
<b>Contact Person - Title:</b>	Risk Manager
<b>Contact Person - Telephone:</b>	423-229-9354
<b>Contact Person - Email:</b>	<a href="mailto:KristenHodgson@KingsportTN.gov">KristenHodgson@KingsportTN.gov</a>
<b>No of Full Time Employees in City/Agency</b>	794
<b>No. Employees Affected by this Purchase:</b>	794
<b>City/Agency Desires to Purchase the Following:</b>	HPE Aruba JL261A 2930F 24G PoE+ 4SFP Switch (Quantity 3)
<b>Justification for the Needed Purchase:</b>	<p>Justification: This upgrade will affect employees city-wide and provide the following enhancements:</p> <p><b>Network Segmentation and Isolation:</b> A network switch allows for the creation of segmented networks, helping to isolate sensitive systems and data from potential threats. This segmentation enhances the overall security posture by limiting lateral movement for attackers within the network.</p> <p><b>Enhanced Traffic Visibility:</b> Advanced network switches often come with features like port mirroring and traffic monitoring, providing cybersecurity professionals with better visibility into network traffic. This enhanced visibility is crucial for detecting and responding to suspicious activities or potential security incidents.</p> <p><b>Quality of Service (QoS) Implementation:</b> QoS features in network switches enable the prioritization of critical traffic, ensuring that essential cybersecurity applications and services receive the necessary bandwidth. This can</p>

	<p>contribute to more effective and responsive cybersecurity operations. Improved Bandwidth and Performance: Upgrading to a modern network switch can provide increased bandwidth and faster data transfer rates. This is essential for handling the high volumes of traffic associated with cybersecurity monitoring, analysis, and incident response activities. Implementation of Network Access Controls: Network switches play a vital role in implementing access controls, such as VLANs (Virtual Local Area Networks) and port security. These controls restrict unauthorized access to sensitive areas of the network, reducing the risk of unauthorized users gaining access to critical systems. Support for Advanced Security Protocols: Many modern network switches come equipped with advanced security protocols, including port security, DHCP snooping, and Dynamic ARP Inspection (DAI). These features contribute to the prevention of common network-based attacks. Resilience and Redundancy: Redundant and resilient network architectures can be established using features like link aggregation and spanning tree protocols. This helps ensure network availability even in the face of hardware failures or network attacks. Facilitation of Security Monitoring Tools: The integration of network switches with security monitoring tools, such as Intrusion Detection Systems (IDS) and Security Information and Event Management (SIEM) solutions, is essential for comprehensive cybersecurity monitoring. The switch becomes a critical point for tapping into network traffic for analysis. Compliance with Security Standards: Investing in a secure and robust network infrastructure aligns with various cybersecurity standards and best practices</p>
<b>Estimate #1 - Calculated Total</b>	\$4,116
<b>Estimate #2 - Calculated Total</b>	\$8,319

**Approving Supervisor - Name**

Mayor Pat Shull

