



City of Nampa Business Item

TO:	Mayor and Council
FROM:	Butch Schierman
NUMBER:	{{section.number}}-4
DATE:	May 15, 2023
SUBJECT:	Action Item: Authorize Mayor and Chief Information Officer to use American Rescue Plan Act (ARPA) Funding in the amount of \$428,740.02 to secure the city's network infrastructure and approve the purchase of new hardware and a 5-year subscription for upgrade of the city's network firewall and a 5-year subscription licensing for implementing Zero-Trust network architecture. (Approved in the FY23 Budget – ARPA Funds)

Background Summary:

- This subscriptions will provide the following:
 - o Firewall upgrade
 - > New hardware to replace the near end-of-life hardware we currently utilize
 - * Current end-of-life hardware puts the city at risk of failure and/or breach from threat actors
 - * Provides High Availability to assure uninterrupted service and protection if the primary system fails for any reason.
 - > 5-year license agreement with Palo Alto providing the city with an up-to-date network firewall with access to upgrades and current security patches at a lower cost than current system
 - o Zero Trust Software architecture
 - > The 5-year agreement with Cisco will allow the city the ability to upgrade the network to a Zero-trust model to meet industry best-practices and significantly reduce the risk of a successful ransomware attack on the city
 - > 5-year Cisco technical support
 - * Configuration support, design, consultation, and full technical support for issues that arise

> 5-year Cisco Duo Security Standard Beyond Edition licensing for all city devices

* Multi-factor authentication and ability to provide targeted access on need basis to users to prevent open access in the case of a security breach

Reason for Project:

Firewall Upgrade

* The city's network firewall has exceeded its life expectancy and is in need of upgrade in order to maintain a safe network environment to protect against threat actors seeking to

compromise our sensitive information.

* Our annual subscription costs are significantly increasing each year due to support for antiquated hardware/software

o Annual subscription costs are above the cost of a new firewall due to the increasing cost of supporting an out-of-date system

o The annual support cost for the new firewall and software will be lower per year than the current costs with more features

Zero Trust Software Architecture

* Traditional network architectures (like our current one) is highly vulnerable to sophisticated threat actors

* We reviewed and tested two other Zero Trust options and determined the following:

o The complexity and cost of the other options did not provide any higher protection or security than the Duo Beyond solution we selected

o We currently own Cisco hardware which is fully compatible with this software solution saving the city significant hardware upgrade costs

Funding/Project Costs:

Funding is being requested using ARPA Funds provided to the city for security related items

Firewall Upgrade

Total cost of firewall (hardware/software, and support) = \$183,240.02

o This cost includes

* New hardware + peripherals = \$26,961.62 (\$26,896.92 + \$64.70)

* 5-year Security Software subscription = \$99,856.32

* 5-year Global Protect for Remote Access = \$22,769.28

* 5-year Technical (hardware/software) support = \$33,652.80

Additional information:

· The pricing includes all necessary support for maintaining a safe network environment for the city of Nampa.

· No additional charges or purchases for this architecture will be necessary during the 60-month term of the agreement.

- Upon completion of the 60-month agreement, the city may continue support on an annual subscription basis.

Zero Trust Software Architecture

Total cost of Zero Trust Architecture & support = \$245,500.00

- o This cost includes

- * 5-year subscription for Cisco Duo Security Standard Beyond Edition licensing for all city devices and infrastructure = \$175,500.00

- * 5-year Ciscos Duo Security Support = \$70,000.00

Additional information:

- The pricing includes all necessary support for implementing a Zero-Trust architecture for the city of Nampa.

- No additional charges or purchases for this architecture will be necessary during the 60-month term of the agreement.

- The city currently has the necessary Cisco hardware upon which the software will be implemented.

- Upon completion of the 60-month agreement, the city may continue support on an annual subscription basis.

Staff Recommendation:

Request: Council to authorize the Mayor and Chief Information Officer to sign for the purchase of the following:

1. – Replacement hardware and 5-year Palo Alto firewall licensing using \$183,240.02 of ARPA funding.

2. – Hardware upgrade and 5-year Zero Trust licensing and support using \$245,500.00 of ARPA funding

Total Requested Amount = \$428,740.02