



TO: Patti McLauchlin, City Manager

FROM: David Monroe, Information Technology Director

DATE: 8/4/2022

SUBJECT: Cisco Network Infrastructure Equipment for City Network

ACTION:

The City of Key West City Commission is respectfully requested to approve the purchase of new Cisco 9410R Multilayer Switch.

BACKGROUND:

The current Multilayer switch was installed in 2012 and is at its end of life for the components and support. This device serves as the City's network backbone by linking all other devices and sites together.

Because of the criticality of this device to all communications on the city network, this device needs to be replaced with a newer version. The replacement device will have an approximate service life of 10 years and provide more modern security and redundancy features.

FINANCIAL IMPACT:

As part of the American Rescue Plan Act, the City of Key West received federal funding which can be used for investments in infrastructure. Taking into account a trade-in credit for existing equipment offered by Cisco, this purchase will utilize \$78,688.00 of the City of Key West's ARPA federal funding allocation. This purchase was originally requested in the FY2022-2023 budget cycle, however, due to criticality of this device coupled with the lead time for this product, the City is making every effort to receive the device as quickly as possible.

RECOMMENDATION:

Staff has worked with Cisco System on the equipment configuration. Using this configuration, staff with CDW-G to ensure that the configuration meets the needs of the city. The pricing provided is from the State of Florida NASPO ValuePoint Contract AR3227 43220000-NASPO-19-ACS.

Staff recommends that the City of Key West purchase the following Budgeted equipment for the City Hall Datacenter from CDW-G in the amount of \$78,688.00.

ITEM	QTY	MFG PART#	CDW#	UNIT PRICE	EXT PRICE
Cisco Catalyst 9400 Series chassis - switch - rack-mountable - with 2 x C94	1	C9410R-96U-BNDL-E	4842842	\$17,499.00	\$17,499.00
Cisco SMARTnet - extended service agreement	1	CON-SNTP-C9410R9E	5689117	\$9,100.00	\$9,100.00
Cisco - power supply - hot-plug redundant - 3200 Watt	4	C9400-PWR-3200AC	4727097	\$1,299.00	\$5,196.00
Cisco Digital Network Architecture Essentials - Term License (3 years) - 1	1	C9400-DNA-E-3Y	4773322	\$1,999.00	\$1,999.00
Cisco Catalyst 9400 Series Line Card - switch - 48 ports - plug-in module	1	C9400-LC-48P	5038170	\$4,300.00	\$4,300.00
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Cisco Catalyst 9400 Series Line Card - switch - 48 ports - plug-in module	1	C9400-LC-48P	5038170	\$4,300.00	\$4,300.00
Cisco Supervisor-1 Module - control processor	1	C9400-SUP-1=	4843393	\$9,999.00	\$9,999.00
Cisco Learning Credits - pre-purchasing training funds unit	1	TRN-CLC-001	1506970	\$9,499.00	\$9,499.00
Cisco - SFP+ transceiver module - 10 GigE	2	SFP-10G-LR=	1608748	\$2,399.00	\$4,798.00
Cisco - SFP+ transceiver module - 10 GigE	2	SFP-10G-SR=	1658993	\$699.00	\$1,398.00
Engineering Services (8 hours Certified Cisco Remote Engineering Services)	8	NEW-ITEM	NEW-ITEM	\$250.00	\$2,000.00
		SUBTOTAL			\$78,688.00
		SHIPPING			
		SALES TAX			
		GRAND TOTAL			\$78,688.00