



City Council Memorandum

City of Arts & Innovation

TO: HONORABLE MAYOR AND CITY COUNCIL DATE: DECEMBER 17, 2019

FROM: INNOVATION AND TECHNOLOGY DEPARTMENT WARDS: ALL

SUBJECT: MEASURE Z – PROFESSIONAL CONSULTANT SERVICES AGREEMENT FOR RFP NO. 1926 NETWORK REFRESH PROJECT SERVICES AND HARDWARE WITH VECTOR RESOURCES, INC., DOING BUSINESS AS VECTORUSA, FOR A TERM ENDING DECEMBER 31, 2021 IN AN AMOUNT NOT TO EXCEED \$2,562,278.02

ISSUE:

Approve a Professional Consultant Services Agreement for Request for Proposal 1926 Data Network Refresh services and hardware with Vector Resources, Inc., doing business as VectorUSA, of Rancho Cucamonga, California, for a term ending December 31, 2021 in an amount not to exceed \$2,562,278.02.

RECOMMENDATIONS:

That the City Council:

1. Approve a Professional Consultant Services Agreement for Request for Proposal 1926 Data Network Refresh services and hardware with Vector Resources, Inc., doing business as VectorUSA, of Rancho Cucamonga, California, for a term ending December 31, 2021 in an amount not to exceed \$2,562,278.02;
2. Authorize up to 10% change order authority pursuant to the Professional Consultant Services Agreement with Vector Resources, Inc. dba VectorUSA; and
3. Authorize the City Manager, or designee, to execute all documents pursuant to the Professional Consultant Services Agreement, and to make minor non-substantive changes.

BOARD RECOMMENDATION:

On November 25, 2019, the Board of Public Utilities, with eight members present, unanimously voted to approve an expenditure in the amount of \$763,148 from RPU and \$11,150 from Central Stores, including a 10% change order authority to that amount, for the Professional Consultant Services Agreement for Request for Proposal 1926 Network Refresh Project Services and Hardware, with Vector Resources, Inc., doing business as VectorUSA, of Rancho Cucamonga, California, for a term ending December 31, 2021.

BACKGROUND:

The City of Riverside has utilized its existing traditional network infrastructure for decades. Currently, the equipment is 12-15 years old. There is a lack of network redundancy for core city facilities leading to potential downtime. There is limited bandwidth, sub-optimal equipment, a lack of adequate network-based cybersecurity controls, and limited support including the inability to conduct updates for application and support requirements. In addition, the current network infrastructure is not scalable to meet new business demands. Current processes of responding to network demands is complex, costly, time consuming, and difficult to manage.

Although a network refresh has been needed for several years, it is now financially achievable through Measure Z and the Enterprise Funds. On October 17, 2017, the City Council received and provided input on the Innovation on the Technology Spending Plan: Phase I. The phase 1 project was identified as Network Refresh (including cybersecurity features). The project was approved as a Capital Improvement Program (CIP) project beginning in FY2018/2019.

DISCUSSION:

On April 18, 2019, Request for Proposals (RFP) No. 1926 was issued to seek a qualified entity to provide services, equipment, and software associated with the build-out and upgrade of the City of Riverside’s data network.

This Data Network Refresh Project will provide new, manufacturer supported equipment, city-wide. The proposed upgrade is highly scalable to better support staff, cyber-security and applications. It provides redundancy for key City and RPU core sites and is designed to support disaster recovery efforts.

The City received six (6) responses to RFP 1926. After evaluating all responses based upon approach and methodology, pricing, qualifications, experience with projects of similar size and scope, and professional references, the City deemed Vector Resources, Inc., doing business as VectorUSA, as the most responsive and responsible bidder.

The proposals are summarized in the table below:

Vendor	Location	Ranking
VectorUSA	Rancho Cucamonga, CA	1
Integration Partners, Inc.	Lexington, MA	2
AT&T Business	Tustin, CA	3
ConvergeOne	Irvine, CA	4
PCMG, Inc.	El Segundo, CA	5
Dimension Data	Temecula, CA	6

VectorUSA will be responsible for the design, installation, configuration, implementation, warranty, technical support and software updates of the data network infrastructure. This network infrastructure supports City of Riverside’s voice, data, and video and associated equipment on the City’s various 78 sites and offices. The overall network architecture between core city facilities will be improved from a traditional hub and spoke architecture, to a mesh network design as part of this project, which will improve overall reliability, performance, and redundancy.

The scope includes major overhauls of the core network and to the connectivity of the City’s data centers to support the City’s growing data needs. The new network will support all the existing network’s technical capabilities and will implement dozens of new technical capabilities for cybersecurity, mobility, cloud computing, and “Internet of Things” devices. VectorUSA will implement a comprehensive network management platform that leverages the concepts of Software Defined Networking to enhance network management, deployment, and performance. VectorUSA will ensure the new network is compatible and integrated with several existing network systems and standards including the City’s enterprise firewall, wireless network system and wireless devices, servers and data centers, computer workstations, and existing phone system.

Additionally, VectorUSA will be responsible for the provision of training and development services required for City of Riverside staff to effectively operate the installed equipment. They will provide the personnel resources, subcontractors (if needed), and professional services, in sufficient scope and depth, to complete the scheduled projects as defined in the scope of work. This includes conducting formal acceptance testing with Innovation and Technology Department staff and reporting on all performance testing to ensure that the solutions and electronics installed are operating within the manufacturer’s specifications. This agreement includes support and maintenance of the network solution for five-years. This includes support availability for the core network 24 hours per day, 365 days a year.

The Purchasing Manager concurs that the recommendation to award is in compliance with Purchasing Resolution 23256.

FISCAL IMPACT:

The total fiscal impact is \$2,562,278.02. Sufficient funding is available in the following Network Refresh project accounts:

Fiscal Year 2019/20

Account	Amount
Fund 420 IT MZ Citywide IT Projects Account No. 9902209-470834	\$1,515,133.02
Fund 510 Electric Citywide IT Projects Account No. 6130200-470834	\$556,854
Fund 520 Water Citywide IT Projects Account No. 6230200-470834	\$206,294
Fund 530 Airport Citywide IT Projects Account No. 9902220-470834	\$9,755
Fund 540 Refuse Citywide IT Projects Account No. 9902230-470834	\$76,313
Fund 550 Sewer Citywide IT Projects Account No. 9902240-470834	\$139,387
Fund 640 Central Stores Citywide IT Projects Account No. 9902250-470834	\$11,150
Fund 650 Central Garage Citywide IT Projects Account No. 9902260-470834	\$47,392
TOTAL	\$2,562,278.02

Prepared by: George Khalil, Chief Innovation Officer
 Certified as to availability of funds: Edward Enriquez, Chief Financial Officer/Treasurer
 Approved by: Lea Deesing, Assistant City Manager
 Approved as to form: Gary G. Geuss, City Attorney

Attachments:

1. Professional Consultant Services Agreement with Vector Resources, Inc. dba VectorUSA

2. Unapproved Minutes for 11-25-2019 Board of Public Utilities Meeting
3. RFP Award Recommendation
4. Photo
5. Presentation