



City Council Report

Date: May 18, 2015
To: City Council
Through: Alex Deshuk, Manager of Technology and Innovation
From: Edward Quedens, MPA, C.P.M., CPPO, Business Services Director
Matt Bauer, MBA, CPPO, CPPB, CPSM, Procurement Administrator
Subject: Purchase of a Replacement Communications Network Analyzer for the Communications Department (**Citywide**)

Purpose and Recommendation

Council is requested to approve the purchase of a Communications Network Analyzer as recommended.

The Communications Department and Purchasing recommend awarding the contract to the lowest, responsible and responsive bidder, Talley, Inc. at \$43,915.84.

Background / Discussion

The radio communications networks utilized by the City operate in an increasingly crowded radio frequency spectrum. When communications problems are reported, sophisticated network analysis equipment is required to determine why the radio communications network is not performing as expected. The current test equipment owned by our Communications Department is not capable of performing all the tests required to isolate the interference or identify other network performance problems.

The City belongs to the TOPAZ Regional Wireless Cooperative (TRWC). The TRWC radio communications network utilizes sophisticated digital radio signals that require a specialized communications analyzer to monitor, measure, and troubleshoot. While the Communications Department has some tools for monitoring and measuring these radio signals, they are limited to analyzing signals for one radio tower at a time.

The recommended communications analyzer will allow the Communications Department to quickly analyze the signals from multiple radio towers and determine the cause of problems reported by users much more quickly and accurately. In addition, this equipment will allow our Communications Technicians to proactively measure and analyze actual radio coverage, and look for interference before problems are reported by users.

Alternatives

Council may choose not to award the purchase and new quotes will be obtained.

Fiscal Impact

The purchase is funded by the Communications Department operating budget.

Coordinated With

Communications and Purchasing

PURCHASING INFORMATION

Action: Initial Award

Procurement Type: Request for Bids

Solicitation Number: 2015241

Vendors Registered: ProcureAZ (168), Vendor Self Service (19) and Bid List (4)

Advertising: Arizona Republic, Bid Net, ProcureAZ and Purchasing Website

Responses: 3

Local Consideration: The 1.75% consideration did not have an effect on the award of this contract.

Protests Received: None

Additional Purchases: The City reserves the right to purchase additional Communication Network Analyzers at the bid price for twelve months after the bid award date.

Pricing Available to Other Cooperative Agencies: Yes

April 8, 2015 Responses

Talley, Inc. Santa Fe Springs, CA	\$40,783.00 (Recommended) Mesa TPT – \$39,933.12
Hutton Communications, Inc. Carrollton, TX	\$43,136.59 Mesa TPT – \$42,381.70
Anritsu Company Morgan Hill, CA	Non-Responsive – Vendor had exceptions to the Terms & Conditions, and non-acceptable T & C of Sales.

AWARD RECOMMENDATION

Talley, Inc.
Santa Fe Springs, CA

Description	
Anritsu LMR Master, 500 KHz to 1600 MHz Land Mobile Radio Modulation Analyzer and Signal Generator, Vector Network Analyzer, Spectrum Analyzer (or equivalent) equipped with the options and accessories (S412E) per Terms and Conditions, Specifications and Pricing as offered	
Base	\$40,644.00
8.05% Sales Tax	\$3,271.84
Total	<u>\$43,915.84</u>