



# City Council Report

**Date:** January 27, 2020  
**To:** City Council  
**Through:** Michael Kennington, Deputy City Manager/Chief Financial Officer  
**From:** Edward Quedens, Business Services Director  
Matt Bauer, Procurement Administrator  
**Subject:** Purchase for the Expansion of the Very High Frequency (VHF) Fire Hazard Zone Radio System for the TOPAZ Regional Wireless Cooperative as requested by the Information Technology Department **(Citywide)**

## Recommendation

Council is requested to approve the award as recommended.

The Information Technology Department and Purchasing recommend authorizing the sole source purchase with Motorola Solutions at \$187,535.50, based on estimated requirements.

## Background / Discussion

The Very High Frequency (VHF) Fire Hazard Zone Communications System was implemented to enable consistency across the Valley for operations in Fire Hazard Zones (generally those areas when Firefighters must utilize Self Contained Breathing Apparatus (SCBA)). The current system consists of eight transmit-receive sites and four receive-only sites.

Due to the growth of the TRWC, a study was performed to evaluate the existing radio coverage and the future needs as the area continues to grow. The report indicated that there were areas where the radio coverage may not meet the criteria for a Public Safety radio system. Two of the areas were identified as having an impact on communication during fire operations. The addition of these two receiver systems will address those areas.

This equipment will be located at Superstition Fire & Medical District Stations 261 and 263. The equipment will consist of five receivers at each site and a point-to-point wireless link to connect each site to the VHF Fire Hazard Zone Communications System.

The members of the TRWC are as follows: City of Apache Junction, Fort McDowell Yavapai Nation, Town of Gilbert, City of Mesa, Rio Verde Fire Station, Superstition Fire & Medical District and Town of Queen Creek.

This purchase has been coordinated with the Information Technology Department, Mesa Fire and Medical Department and the TRWC Board of Directors.

Motorola is the only provider for this equipment in the State of Arizona. The City cannot substitute with other brand/equipment as it needs to be compatible with the City's current environment.

**Purchase Information**

Action: Award  
 Procurement Type: Cooperative Contract Use  
 Contract Number: 2020136  
 Contracting Agency/Contract Number: State of Arizona/CTR046830  
 Local Consideration: Policy did not apply to this procurement method  
 Funding Source: The costs for these additional sites will be split among the Fire and Medical members of the TRWC as follows:

City of Mesa	*68.68%
Town of Gilbert	17.16%
Superstition Fire & Medical District	10.01%
Town of Queen Creek	3.22%
Rio Verde Fire District	0.93%

\*Funded by project CP0907 - Fire Hazard Zone System Coverage Improvement and Expansion

<b>AWARD RECOMMENDATION</b>	
Expansion of VHF Fire Hazard Zone Radio System for TOPAZ per Contract No. 2020136, State of Arizona/CTR046830 and Motorola Solutions Proposal dated 12/16/2019	
Equipment	\$122,349.00
Services	\$38,906.00
Estimated Tax (8.3% on Equipment only)	<u>\$10,155.00</u>
Total	\$171,410.00
10% Contingency	<u>\$16,125.50</u>
<b>Total Amount Requested</b>	<b><u>\$187,535.50</u></b>