



City of Rochester Hills
AGENDA SUMMARY
FINANCIAL ITEMS

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Legislative File No: 2017-0331

TO: Mayor and City Council Members
FROM: Sean Canto, Chief of Fire and Emergency Services
DATE: July 31, 2017
SUBJECT: Wired and Wireless Headset Applications

REQUEST:

It is requested that City Council authorize the purchase of Wired and Wireless Headset Applications to Cynergy Wireless Products, Inc., Troy, Michigan in the amount of \$31,449.25.

REASON FOR PURCHASE:

The City issued bids for the purchase and installation of FireCom Wired and Wireless Headset Applications for the Fire Department's two (apparatus) and five (5) ambulances utilizing the MITN system and mailing the bid documents to authorized FireCom dealers. Only one (1) bid response was received. The City had received pricing directly from the manufacturer and utilized that in reviewing the bid response received to determine that pricing bid is fair and reasonable. The bid price received is less than the manufacturers quoted price. Cynergy Wireless Products has done work for the City in the past as it relates to installation of radio and communication components in our fire vehicles and the City has been extremely satisfied with the services received and Cynergy Wireless Products is very familiar with our radio systems. Based on these factors It is recommended that award be made to Cynergy Wireless Products, Inc. as the lowest, responsive, responsible, bidder.

Hearing protection is critically important for firefighters, once a member has damaged their hearing from noise exposure, it is likely permanently damaged. The average siren can emit around 110 decibels (dBs) of noise, while the air horn can emit 129 decibels (dBs). This is enough to actually cause pain and temporary hearing impairment. Long-term exposure to anything between 90 and 95 decibels can cause hearing loss. Add to that the average 85 dBs of traffic noise, radio traffic, and engine noise, which places firefighters at risk of hearing loss because of excessive noise exposure. These realities are the primary reasons for improving hearing protection within the department. The National Institute of Occupational Health and Safety sets the noise exposure limit (REL) at 85 decibels (dBA) over a time weighted average (TWA) of eight (8) hours. Noise level measurements taken in the typical environment where a firefighter works often exceed this threshold. When riding in or operating fire apparatus, noise levels have been measured between 110 and 129 decibels (dBs). These numbers indicate that firefighters need to wear hearing protection when they are working in and around their fire apparatus.

PROCESS:

Vendor Name and Address:

Cynergy Wireless Products, Inc.
1463 Combermere Drive
Troy, MI 48083

Reason for Selection:

Lowest, responsive, responsible bidder

Method of Purchase:

Purchase Order



BUDGET:

Funding is included in the FY 2017 Adopted Budget.

Fund Name	Department Account No	Account No. Description	Budget Amount	Cost	Remaining Budget
Fire Capital	402.748000	Operating Equipment	\$188,380	\$31,449.25	\$156,930.75

RECOMMENDATION:

It is recommended that City Council authorize the purchase of Wired and Wireless Headset Applications to Cynergy Wireless Products, Inc., Troy, Michigan in the amount of \$31,449.25.

APPROVALS:	SIGNATURE	DATE
Department Review		7/21/17
Department Director		7/21/17
Budget Content: Finance Director		
Purchasing Process: Supervisor of Procurement		
Mayor		
Deputy Clerk		