



MEASURE Z – ACQUISITION OF 550 MOTOROLA PORTABLE RADIOS IN THE AMOUNT OF \$4,930,632.19

Riverside Police Department

City Council Meeting
July 2, 2024

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BACKGROUND

July 14, 2015 – City Council approved for RPD to **join PSEC** and **allocated \$7 million for services and equipment** to implement the migration

December 1, 2015 – City Council approved an agreement with Motorola Solutions, INC. for hardware and software necessary to migrate to PSEC including **425 handheld radios**

May 7, 2019 – City Council approved the **purchase of 15 additional handheld radios** from Motorola

October 19, 2021 – City Council approved the **purchase of 20 additional handheld radios** for PANS



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DISCUSSION

1. A handheld radio is considered **required safety equipment** for all RPD field personnel
2. RPD **began purchasing** the Motorola APX 6000 700/800 Model 3.5 portable radio in **2016**
3. The **Model 3.5 is nearing end of life** and is no longer serviceable or supported by Motorola
4. RPD is proposing to **purchase up to 550 Motorola APX Next** Single Band Model 4.5 portable radios to replace existing Model 3.5 portable radios



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DISCUSSION

Motorola APX Next Single Band Model 4.5 Portable Radio

- Current handheld Motorola radio used by law enforcement
- Purchase also includes
 - Remote speaker microphones with channel knobs
 - Desktop chargers
 - Multi-unit chargers
 - Programming software
 - Training
 - 3-year warranty in addition to the 1-year manufacturer warranty
 - 4 Smart Features



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DISCUSSION

Smart Features:

Smart Connect - The ability to transmit over LTE cellular under emergency circumstances. This provides an officer with the ability to connect to dispatchers, supervisors, and other officers through a cellular connection in an area where a PSEC radio signal is not available.

Smart Locate – A safety feature that uses GPS functionality to allow radio users to locate one another in real time. Police Officers and other field personnel will be able to quickly find an officer actively engaged in a call and requesting emergency assistance.



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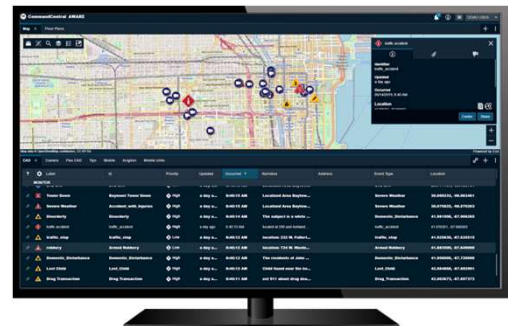
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DISCUSSION

Smart Features:

Smart Programming – The ability for the radio system administrator to troubleshoot and update radio programming remotely through an LTE cellular connection.

Smart Mapping – A safety feature that allows designated personnel, such as dispatchers and supervisors, to see where every field employee with a radio is in real time geographically on a map display with included Command Central Aware software.



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DISCUSSION

Additional Features:

Smart Messaging – The capability to transmit and receive messages between radios, as well as send text and photo messages from dispatch consoles to radios.

ViQi Voice Control – Allows the user operate the radio with voice commands, similar to various smartphones. Voice commands include changing the radio channel or zone, adjusting the volume, and other programmable functions by pressing the ViQi button and speaking into the microphone.

ViQi Virtual Partner – Pending approval in California, the APX Next radio is capable of running a version of CAD software allowing an officer to conduct records checks like a license plate or driver's license as they could from the police vehicle's MDC, using voice commands.



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DISCUSSION – COST

One Time Cost

- 550 Motorola Model 4.5 Handheld Radios - \$4,930,632.19
 - Includes accessories, software, training, & warranty

Ongoing Cost

- Annual cost for Smart Features beginning in year 2 - \$182,622
 - Includes all four features for all 550 radios
 - Features are radio specific and can be activated based on the need of the radio user leading to a potential reduction in cost



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STRATEGIC PLAN ALIGNMENT

Strategic Priority 2, Community Well-Being

- Goal 2.4. Support programs and innovations that enhance community safety, encourage neighborhood engagement, and build public trust.

Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



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RECOMMENDATIONS

That City Council:

1. Approve the purchase of up to 550 Motorola APX Next Single Band Model 4.5 portable radios, radio accessories, software, and warranty from Motorola Solutions, Inc., of San Diego, California, in the amount of \$4,930,632.19, and
2. Authorize the City Manager, or designee, to execute any documents that may be necessary to complete the purchase of the radios.



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