
PROGRAM NARRATIVE

1. Description of the Issue: The Sheriff's Office needs to standardize its radio communications to a P25 platform in accordance with SAFECOM guidelines. A shared P25 radio system will help the Sheriff's Office accomplish two objectives. First, the Sheriff's Office needs P25 radios for emergency preparedness. After the past three years of devastating disasters, interoperable communications have proven to be an essential component of coordinated agency disaster response. The Sheriff's Office has heavily relied on the use of mutual aid from other law enforcement agencies and other emergency response agencies during disasters and has also provided assistance to many other agencies. Interoperability improves the effectiveness of coordinated response during a multi-agency event.

Secondly, on October 12, 2020 all law enforcement agencies in California were notified by the California Department of Justice (DOJ) that all transmission of Criminal Justice Information (CJI) and Personally Identifiable Information (PII) must be encrypted, specifically radio transmission of protected data. The Sheriff's existing portable and mobile radios do not support encryption. The principal barrier to compliance with CA DOJ's directive is with the existing fleet of subscriber devices or radios. To accomplish encryption, the Sheriff's Office will need to issue P25 and Advanced Encryption Standard (AES) capable radios which equates to 80% of the Sheriff's existing fleet of radios.

2. Project Design and Implementation: The Sheriff's Office has funding in its budget for approximately 95% of the costs needed to provide all officers and search and rescue staff with P25 radios and to equip patrol vehicles with P25 radios as well. The Sheriff's

project is approximately \$70,000 short, based on current estimates. If approved, the grant award will be used to cover over half of the project shortage. This project requests the purchase of ten portable radios, accessories, and multi-key encryption that meet the SAFECOM guidance standards. Once procured, radios will be programmed and issued to field officers for use. These ten radios will help meet the overall goal of changing the Sheriff's entire law enforcement officer inventory of portable radios to P25 portable radios.

3. Capabilities and Competencies: The P25 radios being purchased with the grant funds comply with the SAFECOM guidance, "The public safety community continues to develop strategies and technology roadmaps for implementing standards-based, vendor-neutral devices and applications that can sustain the unique public safety operating environment and provide mission critical communications. In addition, public safety agencies must address operability, interoperability, security, and resiliency challenges posed by rapid technology advancements (e.g., artificial intelligence, 5G, 6G, Internet of Things, identity management, geographic information systems) and increased information sharing, ensuring the most critical information gets to the right people at the right time. In FY 2021, grant recipients should continue to invest in infrastructure that is accredited technical standards-based to enable interoperability between agencies and jurisdictions, regardless of vendor." Source:

https://www.cisa.gov/sites/default/files/publications/FY%202021%20SAFECOM%20Guidance_Final_508.pdf

4. Plan for Collecting the Data: Performance data will be collected through the Sheriff's Office inventory management system. Portable radios are tracked by serial number in an

electronic inventory management system. The Sheriff's Office will enter the serial numbers of the portable radios in the Sheriff's database to show the change in inventory. Once the radios are programmed, they will be distributed to staff as their primary radio. When an event occurs, such as a disaster, staff will already be equipped with their P25 devices and ready to respond. Therefore, no additional data tracking will be needed during a disaster or other mutual aid event.

BUDGET NARRATIVE

This project requests \$41,305 in funding to procure ten P25 radios and the related accessories needed to allow officers to use these radios in the field and during multi-agency events. The budget estimate is based on the selected vendor's prices (vendor selection is discussed below). In addition to each radio, a dual band programming kit, an antenna, two batteries, a battery charger, three year warranty, speaker microphone, belt clip, multi-key, and case with belt loop are also being purchased to provide the functionality needed. The vendor also charges 9.25% sales tax making the unit cost \$4,320.84. The vendor will charge a flat shipping rate of \$250.00 for ten radios. This makes the estimated purchase \$43,458.38 ($\$4,620.84 \times 10 + \250.00). Because this amount exceeds the award allocation, the Sheriff's Office will provide the difference of \$2,153 to complete the order.

Vendor Selection & Pricing

The Sheriff's Office standardizes certain equipment. Radios are standardized to minimize officer training, by limiting the number of radios officers are required to know how to operate. Standardization also improves technical support, reducing the technical training and learned knowledge technical staff are required to learn. In addition, technicians are able to reduce their inventory of tools and parts by limiting the number of devices used by staff. Based on the need to standardize, the County establishes blanket purchase orders for standard equipment when possible. In the case of P25 radios, the County entered into a blanket purchase order with Dailey Wells, a local distributor of Harris radios.

The purchase being made under this grant is being made through the County's blanket purchase order for Harris radios. The blanket purchase order was established through a competitive bidding process that required vendors to meet a variety of criteria. Local vendors are preferred when shipping costs and turnaround time are minimized. The blanket purchase order was awarded to the vendor that could meet the specifications at the most competitive price.

A summary of costs is as follows:

Per Unit			10 units	Shipping	Total
Portable Radio	\$ 1,890.00				
Dual Band Kit	\$ 700.00				
Antenna	\$ 77.00				
Battery (2)	\$ 210.00				
Charger Bay	\$ 119.00				
3-year warranty	\$ 200.00				
Speaker Microphone	\$ 136.50				
Belt Clip	\$ 21.00				
Multi-key	\$ 500.00				
Case with belt loop	\$ 101.50				
	\$ 3,955.00				
Tax	\$ 365.84				
	\$ 4,320.84	x	10	\$ 43,208.38	\$ 250.00
					\$ 43,458.38