

Program Narrative

Applicant Name: City of Goodyear Police Department

Project Title: Portable Automated External Defibrillator Program 2018

Department contact for questions/information:

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a. Description of the Issues

The City of Goodyear Police Department is seeking grant funding to implement an Automated External Defibrillator (AED) program within the department. The department's initial objective is to obtain 10 AED units, in order to provide 1 unit per patrol squad, with the eventual goal of having one AED per patrol vehicle in the future.

Per American Heart Association (AHA) guidelines, the goal of an AED program is to provide defibrillation within the first three to five minutes of collapse from sudden cardiac arrest. Meeting this goal increases the chances of survival by 70 percent. The AHA reports that for every minute a person is in cardiac arrest, his or her chance of successful resuscitation decreases by 7 to 10 percent. Given that police officers are often the first responders in any emergency, equipping them with a minimum of lifesaving equipment such as Automated External Defibrillators could dramatically increase the chances of neurologically intact survival in cases of sudden cardiac arrest.

As recently as March and April of 2018, there were two separate incidents where Goodyear Police officers performed life-saving CPR. One call involved a 5-month old infant who was found not breathing in a cot at a local daycare center, and the other was a case of a middle-aged man who had suddenly collapsed at home. In both cases, officers arrived on scene before Fire EMS, and also in both cases officers found bystanders who were trying to do CPR but were doing it ineffectively due to fear of harming the victim. In the case of the adult victim, the responding officer had to restart CPR after initially getting a faint pulse because the victim stopped breathing a second time. The victim did ultimately survive, but it was not until Fire EMS arrived and was able to use an AED that the victim became stabilized enough for transport to the hospital. It is unknown to the department what long-term effects of possible oxygen deprivation before resuscitation may have had on either victim, in spite of the fact that both made it to the hospital alive.

Studies have shown that rapid defibrillation after a cardiac arrest is the single most important determinant of both long-term survival outcome and quality of life afterwards. The American Heart Association considers early use of an AED to be a third and crucial step in the cardiac arrest "chain of survival", following a call to 9-1-1 and beginning immediate CPR on the victim. Given the average Goodyear Police Department response time of four minutes, thirty seconds to a citizen-initiated call, it is clear that having portable AED units available to the police could provide more successful cardiac emergency outcomes to the public at large.

b. Project Design and Implementation

- **Department strategic plan guiding priorities and funding strategy. How is community engaged in the planning process, and data utilized to support the plan.**

The Goodyear City Council sets its long-range direction for the city through a Performance Management framework, which ties together the various planning, prioritization, and performance measurement efforts that have been established. It is this guidance that is used to align activities and how the city ensures that goals are consistently being met in an effective and efficient manner. The city's Strategic Action Plan is an integral part of the performance management system, which translates the long-term General Plan vision into strategic, actionable activities over a three-year period. It also integrates feedback from the Citizen Satisfaction Survey, as well as other emerging needs and priorities of the community. The Strategic Plan has four focus areas: Fiscal and Resource Management; Economic Vitality; Sense of Community; and Quality of Life.

The Police Department has a Strategic Plan that aligns to the City's Performance Management framework and plan, providing a basis for budget preparation, validation of future department needs, and a blueprint to communicate progress to stakeholders. One of the department's five primary goals is Crime Reduction/Improve Quality of Life. A strategy to meet this goal is to create a long term training plan, aligning operational training with community policing and citizen outreach philosophies. Implementation of the AED program within the department will include documented yearly training for all field staff on device use in accordance with established safety requirements.

c. Capabilities and Competencies – additional strategic planning/coordination with other CJ agencies in the state.

For the purpose of this project, the Goodyear Police Department is not coordinating with other CJ agencies in Arizona.

d. Plan for Data Collection for Performance Measures (if awarded, will be required to submit quarterly metrics)

For the project identifier Equipment – General, we will measure the number of patrol officers trained on AED use compared to total patrol force. We will also measure the completion of annual refresher training for all patrol personnel. For the project identifiers of Community Based Programs and Community Policing, we will collect data on incidents of AED deployment and results. The data collection instrument for both measures will be the department's Records Management System.