

**Council Meeting: June 24, 2008****SUBJECT: Notice of Intent to Apply for, Accept, and Appropriate a Grant in the Amount of \$25,000 from the Severns Family Foundation for CPR Training in High Schools and Budget Modification No. 55****REPORT IN BRIEF**

The Department of Public Safety (DPS) is seeking Council approval to apply for, accept, and appropriate a grant from the Severns Family Foundation of Sunnyvale, California. The grant monies will provide for the purchase of "CPR Anytime Training Tool Kits" which will be used to teach cardiopulmonary resuscitation (CPR) in Fremont and Homestead High Schools. The grant is for a one year period. The possibility exists that the foundation may continue the grant based upon this initial application for two additional years. DPS will notify Council if the grant is not extended beyond the first year.

BACKGROUND

The Department of Public Safety was contacted by a parent group interested in implementing CPR Training within the two public high schools in Sunnyvale. This group was aware of Public Safety's work in the area of Sudden Cardiac Arrest. This parent group has a personal relationship with a local foundation that has an interest in improving survival from cardiac-related issues. DPS was encouraged to apply for a grant with the Severns Family Foundation to fund CPR training.

The mission of the foundation is "... to continue to strive towards the vision of our founder and father, Robert L. Severns, by supporting Northern California community needs in the areas of education and environmental awareness." The grant is available for the purchase of CPR training tool kits and program administrative costs. The request will be to fund this project in an amount not to exceed \$25,000 per year for three years.

EXISTING POLICY**Socio-Economic Element Policy 5.1.1**

Policy 5.1H.4 Support programs that cooperate closely with the City's Public Safety program in providing crisis intervention/emergency services.

Fire Services Sub Element Policy 4.2.1

Policy 4.2B.1: Provide immediate life support to those who are threatened by situations requiring emergency medical services or rescue.

4.2B.1b. Study, and where feasible, provide alternate methods of emergency medical service delivery when it is determined to be more efficient and beneficial to those in need. Consider EMT-P level training.

Goal 4.2D Provide planning and administration while maintaining liaison with other agencies and organizations to provide a quality level of fire services to the community.

Policy 4.2D.1 Adjust to changing service requirements, new laws, regulations, policies, technologies and changes occurring in the Community.

4.2D.1d Develop and apply internal planning, policies and procedures consistent with operational needs

Support Services Sub Element Policy 4.3.1

Goal 4.3B: Facilitate quality decision making, through planning and research.

Policy 4.3B.2a. Compile and analyze statistical data to ascertain the effectiveness of Public Safety operations

DISCUSSION

Every year in the United States approximately 330,000 people die from Sudden Cardiac Arrest (SCA). This is a situation in which rapid action is required in order to save the patient's life. The two treatments which provide the greatest chance of survival for a patient experiencing an SCA event are CPR and defibrillation.

In an effort to improve the care of these patients, DPS has aggressively evaluated and implemented improvements in our response system. Those improvements include the training of all personnel to the level of Emergency Medical Technician – Basic, the implementation of a defibrillation program that included all DPS fire apparatus as well as DPS police cars. All Public Safety Dispatchers are trained to provide pre-arrival instructions to individuals who call 911 in a medical emergency. These instructions include specific directions on how to perform CPR and use a defibrillator. The City of Sunnyvale also maintains a Public Access Defibrillation Program that provides defibrillators in City buildings and encourages City employees to become certified in CPR and the use of the Automated External Defibrillator (AED).

In evaluating the circumstances surrounding the cardiac arrests that occur in Sunnyvale, we find that the vast majority of individuals do not receive CPR by anyone with them or nearby bystanders. For every minute the patient stays in cardiac arrest their chance to be saved decreases 7 – 10 percent. In order to impact our survival rate we need to increase the numbers of patients who receive bystander CPR. If awarded, these funds will be used to train up to 3,000 high school aged youth over 3 years.

CPR Training

Relatively few people are trained in and maintain CPR skills. One area that has always been a problem for the layperson to receive CPR training was that it required a significant investment of time and money. In addition, you could not practice the skills on an ongoing basis without having to locate a certified instructor. Class size is limited in the traditional CPR classes to 6 students to 1 instructor which creates a labor intensive training program.

The American Heart Association (AHA) recently released a new product called CPR Anytime. The *CPR Anytime* line of self-directed learning products was developed to increase CPR knowledge and awareness among the general public – those who do not traditionally attend CPR courses.

Currently:

- Almost 80 percent of cardiac arrests occur at home and are witnessed by a family member
- Nationwide only 6.4 percent of sudden cardiac arrest victims survive because the vast majority of those witnessing the arrest are people who do not know how to perform CPR

CPR Anytime is a tool that can help increase survival rates in communities across the country. People who receive the *CPR Anytime* kits are able to share lifesaving skills with their loved ones by using the kit to train their entire family. Using a multiplier effect, studies have shown that for every single *CPR Anytime* kit used for training, an average of 2.5 people learn how to perform CPR.

This innovative personal learning program is designed to teach the core skills of CPR in just 22 minutes. The program can be completed individually or in large groups. Each kit includes a personal, inflatable manikin (Mini Anne), a CPR Anytime Skills Practice DVD, a CPR for Family and Friends resource booklet, and other accessories for the program. The self-directed course is based on the traditional AHA CPR for Family and Friends Course and has been research-proven to be equivalent to the traditional course for learning the core skills of CPR.

The concept behind the grant application is to train a core group of teachers within Fremont and Homestead High Schools to become facilitators for CPR Anytime. The teachers will then facilitate their student's training in a class with a student to facilitator ratio of 30 to 1. We anticipate providing up to approximately 1,000 students with this training. Each student will be provided with their own CPR Anytime Training Tool Kit to keep. A competition will be started to see who can then take their kit home and teach the most people in CPR. A prize will be awarded to the winner from each high school. Both schools have agreed to participate. The administrative oversight of this program would

be handled by the Emergency Medical Services Lieutenant in DPS. DPS personnel would also provide an ongoing presence at these training sessions.

Through this training method we hope to impact our out of hospital cardiac arrest survival rates by dramatically improving our layperson bystander CPR rates. A similar project in Alameda County is finding that for each student trained; those students train an average of 4 additional people in CPR. We currently track our bystander CPR rate on cardiac arrests and will continue to do so to measure the impact of this training program. For our initial year one implementation of approximately 1,000 kits we could potentially see an increase in 2,500 to 4,000 new people each year trained in CPR in Sunnyvale.

FISCAL IMPACT

If Council authorizes DPS to apply for and accept the Severns Family Foundation Grant, authorization also is needed to appropriate the monies accordingly. Approval of Budget Modification No. 55 will appropriate revenues from the Severns Family Foundation Grant to a special project. The project will allow DPS to effectively manage the specific costs associated with CPR training in high schools. The grant monies will be used to purchase CPR Anytime Tool Kits, as well as administrative costs. The cost of each tool kit when purchased in bulk is approximately \$22, not including shipping, handling and tax. The possibility exists for this grant to be extended for three years for a maximum grant amount of \$75,000. If the grant is extended, DPS will return to Council to modify the project’s budget. The budget modification for FY 2007/2008 is presented in the following table:

BUDGET MODIFICATION NO. 55
FISCAL YEAR 2007-2008

	Current	Increase (Decrease)	Revised
General Fund			
<u>Revenues:</u>			
Private Grants — Severns Family Foundation Grant	\$0	\$25,000	\$25,000
<u>Expenditures:</u>			
New Special Project — CPR Training in High Schools (2008/2009 School Year)	\$0	\$25,000	\$25,000

PUBLIC CONTACT

Public contact was made by posting the Council agenda on the City’s official-notice bulletin board outside City Hall, in the Council Chambers lobby, in the Office of the City Clerk, at the Library, Senior Center, Community Center, and Department of Public Safety; posting the agenda and report on the City’s Web

site; and making the report available at the Library and the Office of the City Clerk.

ALTERNATIVES

1. Authorize staff to apply for, accept, and appropriate the Severns Family Foundation Grant monies and approve Budget Modification No. 55. If the grant is awarded, it will be accepted, and monies will be appropriated to a special project to finance the cost of teaching CPR in the high schools.
2. Do not authorize staff to apply for, accept, and appropriate the Severns Family Foundation Grant monies to teach CPR in the high schools.

RECOMMENDATION

Staff recommends Alternative 1: Authorize staff to apply for, accept, and appropriate the Severns Family Foundation Grant monies and approve Budget Modification No. 55. If the grant is awarded, it will be accepted, and monies will be appropriated to a special project to finance the cost of teaching CPR in the high schools.

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