

CALPINE COMMUNITY FIRE ASSOCIATION

FORMERLY CALPINE VOLUNTEER FIRE DEPARTMENT

Help recruit enough new volunteers to man equipment—build what is needed to make sure the community is properly protected



AEDs (Automated External Defibrillator) can significantly increase a SCA (Sudden Cardiac Arrest) victim's chance of survival. For every minute w/o defibrillation survival chances decrease by seven to 10 percent. A properly installed, insured and maintained AED in the CIA building is encouraged as a Calpine Community Fire Association project. AEDs are also recommended for consideration for homeowners.



6. EMS is More than Four Minutes Away

People who work or live in more remote areas with response times greater than six minutes should definitely consider an AED. If someone collapses in cardiac arrest, and is without oxygen for as little as four minutes, brain cells can die and the heart muscle can be damaged. For every minute someone's heart isn't beating they lose 7-10% chance of being revived. That means if it takes EMS more than 10 minutes to get there, there is a very low probability of reviving someone neurologically intact. Having an AED can return a heart to a normal rhythm quickly and is easy to use.

Many people feel very secure because their local fire department is close. Time is of the essence and if your local department is out on another call, it could take 15-20 minutes to get service from another station. Even if your Fire Department is close, an AED should still be considered.

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1. AEDs Save Lives



Automated external defibrillators (AEDs) save lives. There isn't a national statistic yet on how many lives are saved each year, but Altra Medical has 60 people who are alive today because of the AEDs we've sold. In 2008, American Airlines celebrated 76 people being saved in the first 10 years they first put AEDs on their airplanes, with an overall survival rate of 63%. Chicago

O'Hare has a survival rate of 64% when their AEDs have been used. Some casinos report numbers as high as 70%.

When bystanders provide CPR and use an AED before EMS arrives, 40% of the victims survive, which is much higher than the national average of a 10% survival rate.

3. AEDs are Easy to Use - You Cannot Accidentally Shock

Someone



AEDs will calmly talk you through everything you need to do even if you haven't been trained and you can follow the voice instructions. They will automatically analyze the person's heart rhythm and advise whether a shock is needed. You cannot accidentally shock someone because the AED only will charge to shock when it detects two life threatening rhythms – ventricular fibrillation and an unstable ventricular tachycardia. If someone just passes out and still has heartbeat, it will not charge to shock. In fact, studies show that sixth grade

children can correctly use an AED in as little as 90 seconds versus a paramedic taking 60 seconds.

8. People Exercise Here



Gyms, tennis courts, basketball courts, golf courses, and any type of sports complex from little league fields to soccer fields should have an AED. Often people don't know they have an underlying heart condition until they start exerting themselves. Their heart rates accelerate and go into an unstable condition of tachycardia or ventricular fibrillation - often without warning.

There are many news stories of young athletes collapsing and dying when AEDs are not available. We have had more lives saved in YMCA's, gyms, and in other sporting venues than any other type of location.