

## **Board Action Request**

**SUBJECT:** Purchase of mechanical chest compression device.

**DATE:** February 23, 2022

**FROM:** Ben Guerrero Deputy Chief

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**Background:** Tubac Fire District is seeking approval to purchase a mechanical chest compression device to improve the delivery of care to cardiac arrest patients. During resuscitation efforts of cardiac arrest patients, the single most important aspect of Cardiopulmonary Resuscitation (CPR) other than early defibrillation is the delivery of good, effective, and minimally interrupted chest compressions. The use of a mechanical chest compression device is ideal in situations where staffing levels are low; the device can replace the rescuer that is responsible for performing chest compressions. Studies have shown that mechanical chest compression devices are as effective as manual chest compressions with a couple advantages, the most important being less hands off time or interruption of chest compressions which is one of the key components of effective CPR. The Lucas device is the mechanical chest compression device of choice, per staff, based on recommendations from other fire districts as well as hands-on experience. Tubac Fire District crews have had the opportunity to use a Lucas device on a couple of cardiac arrest responses, with positive feedback. The cost for the device also includes a desk top battery charger, a rechargeable LiPo battery, and a 3 year on site yearly maintenance and warranty package.

**Fiscal Impact:** This item is currently in the FY 21/22 CIP in the amount of \$20,000

**Legal Review:** N/A

**Alternate Option:** None

**Staff Recommendation:** Staff is recommending approval of the Stryker quote for a Lucas mechanical chest compression device in the amount of \$17,256.80.

**Proposed Motion:** Move to approve the quote from Stryker for the purchase of a Lucas mechanical chest compression device at a not to exceed cost of \$17,256.80.

Attachments:

Stryker Quote LUCAS 3.1 Tubac Fire District