



AGENDA MEMORANDUM

Action Item for the City Council Meeting September 20, 2022

DATE: September 20, 2022

TO: Peter Zanoni, City Manager

FROM: Robert Rocha, Fire Chief
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Purchase of Lucas Chest Compression System and Lifepak Automated External Defibrillators for the Fire Department

CAPTION:

Resolution authorizing the purchase of 15 chest compression units and 25 defibrillator units for the Fire Department in the amount of \$272,536.25 and execution of a five-year maintenance agreement for \$130,067.00 with Stryker Sales, LLC, of Kalamazoo, Michigan, with FY 2022 funding of \$272,536.25 for the equipment purchase and \$26,013.40 for the initial year of the maintenance agreement from the General Fund.

SUMMARY:

This resolution will authorize the purchase of 15 additional LUCAS chest compression system units, 22 replacement Lifepak automated external defibrillators, and three additional Lifepak automated external defibrillators (AED) to be used by the Fire Department during emergency medical service (EMS) calls.

BACKGROUND AND FINDINGS:

Currently, the Fire Department only has two LUCAS devices, and they are located on Medics 3 (Morgan Ave.) and 14 (S. Staples), both of which are frontline medic units. With the purchase of 15 additional LUCAS devices, the Fire Department will be able to place a LUCAS device on all 14 frontline medic units and keep three in reserve to be used for training purposes and on standby in the instance that a device needs repair or service. All 22 frontline Fire apparatus carry an AED. However, they are considered outdated and in much need of replacement. If this purchase is approved, the Fire Department will replace all 22 AEDs on the fire apparatuses and leave three devices in reserve for training and on standby in the instance that a device is being serviced or is unavailable.

The City of Corpus Christi received the Texas Ambulance Supplemental Payment Program (TASPP) funds in the beginning of Fiscal Year 2022. The Fire Department was allocated \$272,536.25 specifically for the purchase of the AED and LUCAS devices so that all medic units and fire apparatuses would be adequately suited with the most up to date lifesaving equipment.

The Lund University Cardiopulmonary Assist System or LUCAS devices are used to administer mechanical chest compressions to patients in cardiac arrest and is used as an alternative to manual CPR. These LUCAS devices provide consistent, hands-free, uninterrupted chest compressions to patients while they are being transported to a hospital. Additionally, these devices allow medics to address patients' other needs through interventions such as drug administration and maintaining an adequate airway.

The Lifepak AEDs are machines used to treat life-threatening cardiac irregularities. The AED administers a dose of electric current to the heart to help regulate a patient's heart rate. The technology in the AED helps analyze a patient's heart rhythm making it easier to determine whether the heart rhythm is shockable. AEDs are considered Basic Life Support items and are frequently used by first responders.

PROCUREMENT DETAIL:

This procurement is a direct purchase from Stryker Sales, LLC., of Kalamazoo, Michigan, under the Local Government Code, Section 252.022(a) (2), as this purchase is necessary to preserve or protect the public health or safety of the City's residents.

The LUCAS chest compression system is 11.77%, or \$24,285, lower than previous purchase agreement in 2021. The City also negotiated trade-in discounts for 25 older models currently in use toward the purchase of the new Lifepak AED devices resulting in \$10,000 savings.

ALTERNATIVES:

The alternative is to continue responding to EMS calls with the current equipment and covering the increasing costs of repairs and replacement while seeking alternative funding sources for eventual replacement and additions of these devices.

FISCAL IMPACT:

The fiscal impact for CCFD in FY 2022 is \$298,549.65 which will be funded from the General Fund. The remaining cost will be budgeted during the annual budget process.

FUNDING DETAIL:

Fund:	1020	General Fund
Organization/Activity:	35100	City Ambulance
Mission Element:	093	Emergency Response
Project # (CIP Only):	N/A	
Account:	520090	Minor Tools & Equipment
Amount:	\$298,549.65	

RECOMMENDATION:

Staff recommends approval of the resolution authorizing purchase of 15 LUCAS chest compression

system units and 25 Lifepak defibrillators for the Fire Department from Stryker Sales, LLC., of Kalamazoo, Michigan, as presented.

LIST OF SUPPORTING DOCUMENTS:

Bid Tabulation
Service Agreement