


# COUNCIL COMMUNICATION

 CITY OF DES MOINES OFFICE OF THE CITY MANAGER	Number: <b>22-365</b>	Meeting: <b>August 8, 2022</b>
	Agenda Item: <b>49</b>	Roll Call: <b>22-1278</b>
	Submitted by: <b>John F. TeKippe, Fire Chief</b>	

## AGENDA HEADING:

Approval to purchase 11 Lucas 3, v3.1 Chest Compression Systems for the Fire Department.

## SYNOPSIS:

Recommend purchasing 11 Lucas 3, v3.1 Compression Systems, from Stryker Medical Corp. (2825 Airview Boulevard, Kalamazoo, MI 49002).

## FISCAL IMPACT:

Amount: \$188,712.11

Funding Source: 2022-2026 CIP Page 30, FR013- Equipment Acquisition-Fire Department, Being: G.O. Bonds Issued.

## ADDITIONAL INFORMATION:

- The purchase of 11 Stryker Lucas Compression Systems to replace the Lucas 2 Compression Systems that have reached the 8-year shelf life for replacement.
- The Stryker Lucas Compression System is standardized on all frontline and reserve ambulances and approved for use by the Fire Department Medical Director. The Lucas Compression System is also carried on vehicles utilized for special event services provided by the Fire Department. The Stryker Lucas Compression System assist EMT's and paramedics by providing effective and uninterrupted chest compression on sudden cardiac arrest patients.
- The Lucas Compression System assists first responders and paramedics by providing effective and uninterrupted chest compressions on sudden cardiac arrest patients. The Lucas Compression System allows personnel to focus on other critical life-saving task, such as ventilation, medication and defibrillation, which leads to increased focus on cardiac arrest management. The Fire Department has developed an operating standard utilizing the Lucas Device with approval from the medical director.
- The Lucas Compression System is a contributing factor for the Des Moines Fire Department achieving a return of spontaneous circulation (ROSC) rate of 34%, compared to the national

average of 27% in cardiac arrest patients. Additionally, 23% of patients treated by the Des Moines Fire Department are discharged from the hospital neurologically intact, compared to the national average of 9%.

Unit costs: \$14,395.41 - 11 Stryker Lucas 3, v3.1 Chest Compression Systems

Lucas Desk-Top Battery Charger: \$1,097.75 - 11 Desk-Top Battery Charger

Lucas 3 Battery: \$671.45 - 11 Lucas 3 Battery

ProCare Products: \$50,901.40 - the Fire Department has preventative maintenance contracts on all AED's, LP15's and Lucas Compression Systems. The contract provides annual onsite preventative maintenance inspection, unlimited ship in repairs including parts, labor, and travel with battery coverage for Lucas 3, v3.1 Chest Compression System.

Trade-in Credit: \$40,000 - Eight (8) Stryker Lucas 2 Chest Compression Systems

#### **PREVIOUS COUNCIL ACTION(S):**

Date: June 22, 2020

Roll Call Number: [20-1054](#)

Action: Purchases from the following:

- (C) [Stryker](#) Medical (Brad Saar, President) for two (2) Physio-Control LifePak 15 Cardiac monitor defibrillators and three (3) Lucas 2, v3.1 Chest Compression Systems for use by the Fire Department, \$110,507.70. ([Council Communication No. 20-264](#)) Moved by Gatto to adopt. Motion Carried 7-0.

#### **BOARD/COMMISSION ACTION(S): NONE**

#### **ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE**

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