


# COUNCIL COMMUNICATION

 CITY OF DES MOINES OFFICE OF THE CITY MANAGER	Number: <b>23-287</b>	Meeting: <b>June 12, 2023</b>
	Agenda Item: <b>47</b>	Roll Call: [ _____ ]
	Submitted by: <b>John F. TeKippe, Fire Chief</b>	

## AGENDA HEADING:

Approval to purchase 18 EleGARD devices for the Fire Department to be used for the Advanced Cardiac Resuscitation (ACR) Guideline.

## SYNOPSIS:

Recommend purchasing 18 EleGARD devices from Med Alliance Group Inc. (2175 Oakland Drive, Sycamore, IL, 60178 Mike S. Crawford, President).

## FISCAL IMPACT:

Amount: \$110,278.43

Funding Source: 2023-24 CIP, Page 31, Fire Equipment Acquisition, FR013 C041FD99

## ADDITIONAL INFORMATION:

- The Fire Department and Dr. Derflinger, Adult Medical Director, have adopted the ACR Guideline.
- The Fire Department currently uses the Zoll Rescue Pump, Rescue Pod, and Stryker Lucas device, all equipment required for the ACR guideline.
- The EleGARD is a Patient Positioning System that was developed in parallel with the evolving science and went through several major iterations to maximize the physiologic effect of precise reproducible sequential positioning of the patient during CPR across the spectrum of body shapes and sizes.
- The EleGARD device supports the elevation of the head and thorax in the precise sequence and elevation speed required to deliver what is now being classified as “neuro-protected Head-Up CPR by leading clinicians.
- Changing the position of the cardiac arrest patient from supine to the elevation of the thorax and head afforded using the EleGARD System requires very high-quality chest compressions with active decompression and the use of a circulatory enhancing device called an impedance Threshold Device or ITD. Des Moines Fire uses the LUCAS Automated Chest Compression System to provide mechanical chest compressions.

- Advanced CPR Solutions discovered the effect of elevating the head and thorax in a controlled sequential manner during CPR in its quest to improve the decades long neurologically intact survival rate of less than 8% of out of hospital cardiac arrest.
- Initial training and deployment support will be provided to the department by Advanced CPR Solutions.
- One (1) training EleGARD device will be provided to the department at no charge.

**PREVIOUS COUNCIL ACTION(S): NONE**

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

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE**

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