



TRUCKEE MEADOWS FIRE PROTECTION DISTRICT STAFF REPORT

Board Meeting Date: September 3, 2024

DATE: August 19, 2024

TO: Truckee Meadows Fire Protection District Board of Fire Commissioners

FROM: Joe Kammann, Division Chief
Phone: 775) 326-6008 Email: jkammann@tmfpd.us

THROUGH: Charles A. Moore, Fire Chief
Phone: (775) 328-6123 Email: cmoore@tmfpd.us

SUBJECT: Recommendation to accept a donation of three (3) Lucas Mechanical Compression Devices and accessories and four (4) Airway Manikin trainers including any required carrying cases and corresponding supplies from the Inter-Hospital Coordinating Council, and if accepted, express sincere appreciation for the thoughtful contribution. (All Commission Districts) FOR POSSIBLE ACTION

SUMMARY

Recommendation to accept a donation of three (3) Lucas Mechanical Compression Devices and accessories and four (4) Airway Manikin trainers including any required carrying cases and corresponding supplies from the Inter-Hospital Coordinating Council, and if accepted, express sincere appreciation for the thoughtful contribution

PREVIOUS ACTION

October 20, 2015, the Board of Fire Commissioners accepted a Special Fund Grant from Washoe County to purchase a Chest Compression System for Truckee Meadows Fire Protection District's Station 17.

October 18, 2016, the Board of Fire Commissioners approved the purchase of eleven (11) Chest Compression Systems from Physio-Control Inc. in the amount of \$165,487.39.

BACKGROUND

Background for the Lucas CPR Device: The Lucas CPR device was developed in response to the challenges of delivering consistent and effective chest compressions during cardiopulmonary resuscitation (CPR). Manual compressions can be physically exhausting, and quality often deteriorates over time, especially in situations where CPR must be performed for an extended period or in a moving vehicle. The Lucas device automates chest compressions, ensuring they are delivered at the optimal rate and depth, which is crucial for maintaining blood flow to vital organs, especially the brain and heart. Its consistent performance can improve patient outcomes, particularly in complex resuscitation scenarios.

Background for Airway Manikin Head Trainers: Airway management is a critical skill for healthcare providers, especially in emergency and surgical settings. Effective airway management can prevent hypoxia and other complications during patient care. However, these skills require precise technique and practice to master. Airway manikin head trainers were developed to provide a realistic and safe environment for healthcare professionals to practice and refine their skills, such as intubation and ventilation. These trainers replicate the anatomy and challenges of the human airway, allowing learners to experience the difficulties they might face in real-life scenarios without risking patient safety. As such, they are essential tools in medical education and ongoing training.

The description and estimated value are listed below:

Lucas CPR device \$49,999.50 (\$16,666.50 each) plus accessories of \$3,005.71

The Lucas CPR device is a mechanical chest compression system used in emergency medical situations to provide consistent, high-quality chest compressions during CPR. It is designed to free up rescuers' hands, allowing them to focus on other critical tasks. The device is portable and adjustable, ensuring it can be applied quickly to patients of various sizes.

Airway manikin head trainers \$9,483.00 (\$2,370.75 each)

Airway manikin head trainers are training tools used in medical education to practice airway management techniques, such as intubation, ventilation, and suction. These manikins simulate realistic anatomical structures of the human airway, allowing healthcare providers to develop and refine their skills in a controlled environment.

FISCAL IMPACT

For the capital equipment, the District will recognize a capital contribution and corresponding capital assets of \$49,999.50 in the EMS fund. For the supplies, the District will recognize a donation and corresponding supplies expense of \$12,488.71 in the EMS fund. The District will include this grant in a semi-annual annual budget augmentation to be brought back to the Board of Fire Commissioners in December 2024.

RECOMMENDATION

Staff recommends accepting a donation of three (3) Lucas Mechanical Compression Devices and accessories and four (4) Airway Manikin trainers including any required carrying cases and corresponding supplies from the Inter-Hospital Coordinating Council, and express sincere appreciation for the thoughtful contribution.

POSSIBLE MOTION

Should the Board agree with staff's recommendation, a possible motion could be:

"I move to accept a donation of three (3) Lucas Mechanical Compression Devices and accessories and four (4) Airway Manikin trainers including any required carrying cases and corresponding supplies from the Inter-Hospital Coordinating Council, and express sincere appreciation for the thoughtful contribution."