



CITY OF PLANO COUNCIL AGENDA ITEM

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|--|----------------------------------|-------------------------|--|-----------------|
| CITY SECRETARY'S USE ONLY | | | | |
| <input type="checkbox"/> Consent <input type="checkbox"/> Regular <input type="checkbox"/> Statutory | | | | |
| Council Meeting Date: | | May 27, 2014 | | |
| Department: | | Fire | | |
| Department Head | | Brian Crawford | | |
| Agenda Coordinator (include phone #): Teresa Shelstad ext: 7539 | | | | |
| CAPTION | | | | |
| To approve the purchase of fourteen (14) Lucas 2 Chest Compression Systems from Physio-Control, Inc. the sole source provider in the amount of \$180,375 and authorizing the City Manager to execute all necessary documents. | | | | |
| FINANCIAL SUMMARY | | | | |
| <input type="checkbox"/> NOT APPLICABLE <input checked="" type="checkbox"/> OPERATING EXPENSE <input type="checkbox"/> REVENUE <input type="checkbox"/> CIP | | | | |
| FISCAL YEAR: 2013-14 | Prior Year (CIP Only) | Current Year | Future Years | TOTALS |
| Budget | 0 | 210,000 | 0 | 210,000 |
| Encumbered/Expended Amount | 0 | 0 | 0 | 0 |
| This Item | 0 | -180,375 | 0 | -180,375 |
| BALANCE | 0 | 29,625 | 0 | 29,625 |
| FUND(S): FIRE EQUIPMENT REPLACEMENT FUND | | | | |
| COMMENTS: Funds are available in the 2013-14 Fire Equipment Replacement Fund budget for the purchase of fourteen (14) Chest Compression devices. | | | | |
| STRATEGIC PLAN GOAL: Periodic replacement of the Fire Department's Chest Compression devices relates to the City's Goal of Financially Strong City with Service Excellence and Safe Large City. | | | | |
| SUMMARY OF ITEM | | | | |
| The Fire Department recommends the purchase of fourteen (14) Lucas 2 Chest Compression Systems from Physio-Control the sole source provider in the amount of \$180,375. The City is exempt from the competitive bid process for this purchase as allowed by Local Government Code Chapter 252 Subchapter B Section 252.022(a)(7)(A). | | | | |
| List of Supporting Documents: Memo | | | Other Departments, Boards, Commissions or Agencies | |
| | | | | |



Memorandum

From the Office of the Fire Chief

DATE: April 22, 2014

TO: Diane Palmer-Boeck, Purchasing Manager

FROM: Brian Crawford, Fire Chief

SUBJECT: Purchase of the LUCAS 2 Chest Compression System

Plano Fire-Rescue would like to move forward with the purchase of 14 new chest compression systems to replace the Zoll AutoPulse non-invasive cardiac support pump. The Department placed a supplement for \$210,000 into the 2013/2104 budget which was approved.

The Fire Department has used the AutoPulse for over seven years. In October 2013, the Department began a trial of a second brand of chest compression system. It was the Physio-Control LUCAS 2 Chest Compression System. The LUCAS 2 devices were placed in service on the two new Rescue Squads since the units were dispatched to almost all CPR 911 emergencies.

Based on our experience and personnel feedback with the existing AutoPulse devices and the new LUCAS 2 device, Dr. Mark Gamber, Plano Fire-Rescue EMS Medical Director, recommends switching to the LUCAS 2 device. Attached is Dr. Gamber's recommendation memo.

The impact of not completing this purchase is to have continued problems with aging equipment, repairs, and old batteries that all must be replaced to continue operations.

Just as with our current AutoPulse units, there will be an on-going cost of owning the LUCAS 2 devices in the form of a maintenance agreement that basically provides preventive maintenance for the units, as well as an extended warranty. This will be approximately \$22,000 per year after the one-year warranty period.

Please advise if I can be of further assistance. Thank you.

DATE: April 22, 2014
TO: Diane Palmer-Boeck, Purchasing Manager
FROM: Mark Gamber DO, EMS Medical Director
SUBJECT: Purchase of the LUCAS 2 Chest Compression System

Chest compression systems allow for continuous chest compressions, which is a vital part of successful resuscitation from cardiac arrest. Further, they increase provider safety by allowing PFR personnel to remain restrained during transport. The chest compression systems on the fire trucks are over 7 years old. PFR is one of the earliest adopters of mechanized chest compression systems in the United States. As our equipment ages we are investing increasing resources in its maintenance. Moreover, battery technology has changed. PFR has reached the point where it is prudent to purchase new equipment rather than continuously repair equipment that has reached the end of its product life.

Plano Fire Rescue has used a single chest compression system for over 7 years. Since October 2013, PFR also began to simultaneously utilize a second, different chest compression system. The decision as to which system to purchase has been historically based on the Fire Department EMS Medical Director's treatment specifications. Based on device functionality, CQI of cardiac arrest run reports, feedback from field personnel, and patient outcomes, I recommend the LUCAS chest compression system with the following unique combination of functional specifications:

1. Ability to provide compressions at the AHA recommended 100-120/minute
2. Ability to defibrillate during compression
3. Potential for current and future compatibility with monitors, ePCR & code summary software
4. Ability to allow cardiologist to perform PCI during compressions
5. Ability to be plugged into outlet to conserve battery use
6. Smaller size, lighter weight decreases provider injury

Respectfully,

Mark Gamber DO, MPH FACEP
EMS Medical Director Plano Fire Rescue