

February 4, 2010

Honorable Mayor and Common Council

Dear Honorable Mayor and Common Council:

The Fire Chief is requesting permission to carry forward \$33,000 from Budget Year 2009 Account 101.300.5030 (Overtime) to Budget Year 2010 Account 101.300.5770, to acquire three (3), Physio Lucas Chest Compression Systems. As of February 3rd, 2010, this account has a balance of \$54,148, before the requested transfer.

The Lucas Chest Compression System is designed to deliver uninterrupted CPR compressions at a consistent rate and depth to facilitate the return of spontaneous circulation in patients suffering from cardiac-related emergencies. The device delivers automated compressions from first response in the field to ambulance transport and throughout the hospital. Lucas facilitates consistent blood-flow from the moment it is turned on, helping to improve a patient's chance for a successful outcome. With Lucas, defibrillation can occur during ongoing compressions that can prime the heart for a successful shock. Also, continuous compressions help maintain coronary perfusion pressure needed to facilitate spontaneous return of circulation to the heart.

- Effective, consistent and uninterrupted compressions according to current AHA guidelines
- Maintain good blood flow
- Increasing operational effectiveness
- Easy-to-use and efficient to own
- Keep personnel safe during CPR

The three (3) devices proposed are air-powered, pneumatically driven devices, requiring no electrical supply for operation.

Key Features: improving operations in the field; freeing up EMT's and paramedics to perform other emergency interventions on the victims; provide continuous, effective compressions, helping to maintain good circulation in the patient while paramedics remain seat-belted for better safety in a mobile environment; simple and easy to use with minimal training, keeping the cost of ownership low; deliver chest compressions according to the guidelines – ensuring compressions continue uninterrupted at a consistent depth to facilitate return on spontaneous circulation; works in tandem with cooling therapies or impedance threshold devices; delivers effective, consistent, uninterrupted chest compressions and can help effectively manage the cardiac emergency; help maintain coronary perfusion pressure without interruption which is crucial to improving patient outcomes; enables the intervention to continue in the event of a cardiac arrest in the cath-lab by providing consistent, guideline-quality chest compressions, which facilates blood circulation to supply oxygen to vital organs.

Our request is to acquire three (3) of the Lucas Chest Compression Systems at an estimated cost of \$11,000 each, for a total of \$33,000.

Respectfully submitted,

Steve Hansen, Fire Chief