



Racine Fire Department
810 Eighth St, Racine WI 53403

March 14, 2018

Honorable Mayor and
Common Council

Dear Honorable Mayor and Common Council,

I would like to request permission to waive formal bidding and sole source the purchase of the Lucas Chest Compression (CPR) System for the paramedic rescue squads.

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

Key Features:

- Improving operations in the field
- Freeing up EMTs 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



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- Deliver chest compressions according to the guidelines – ensuring compressions continue uninterrupted at a consistent depth to facilitate return of 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
- Enable the intervention to continue in the event of a cardiac arrest in the cath lab by providing consistent, guidelines-quality chest compressions, which facilitates blood circulation to supply oxygen to vital organs

Physio Control is the sole supplier of this product. The Racine Fire Department has been using the LUCAS devices since early 2010 and they have proven to be an effective and durable automated CPR machine that improves patient outcomes and paramedic safety. See additional documentation included with this communication.

Fiscal Note: cost is approximately \$50,000 and is budgeted under the 2018 CIP program.

Respectfully submitted,

Steve Hansen, Fire Chief