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**FIRE DEPARTMENT**

**MEMORANDUM**

TO: Gregg Mandsager, City Administrator

FROM: Jerry Ewers, Fire Chief

DATE: August 12, 2011

SUBJECT: Request authorization to submit grant request to DHS AFG

**INTRODUCTION:**

Request to apply for a grant through the Department of Homeland Security (DHS) for Lucas CPR Compression Devices, Lifepak 15 monitors and defibrillators, and Ward Diesel Exhaust System for fire department vehicles. The grant opens up on August 15<sup>th</sup> and closes on September 9<sup>th</sup>, 2011.

**BACKGROUND:**

The DHS offers grant submittals annually. FEMA's Assistance to Firefighters Grant (AFG) provides funding for the essentials that firefighters and first responders need to be safe and effective on the job. Nationally, the AFG will award approximately 404 million to grant recipients in 2011. The federal match is 90 % of the total cost, which leaves a 10 % city match. Currently, we are requesting to apply for a grant for the following items:

**LUCAS COMPRESSION DEVICES:**

The LUCAS Chest Compression System is designed to deliver uninterrupted compressions at a consistent rate and depth to facilitate ROSC (return of spontaneous circulation). Currently, we only have one Lucas Device available on one ambulance, which was purchased through a grant from the Muscatine Health Support foundation. We will be asking for four (4) Lucas Devices so we have a device on every ambulance. The Lucas Device is approximately \$ 15,000, which would cost about \$ 60,000 if awarded with a 10% city match of \$ 6,000.

**LIFEPAK 15:**

The LIFEPAK® 15 monitor/defibrillator is the new standard in emergency care for ALS teams who want the most clinically innovative, operationally innovative and LIFEPAK TOUGH device available today. The 15 integrates Masimo Rainbow SET technology that monitors SpO2, Carbon Monoxide and Methemoglobin, includes a metronome to guide CPR compressions and ventilations and provides an option to escalate energy to 360J. An entirely new platform, the 15

is powered by Lithium-ion battery technology, incorporates the SunVue display screen for viewability in bright sunlight, and data connectivity to easily and securely collect and send patient information. Our current LIFEPAK 12's are reaching their end of their lifespan and will be unserviceable because parts will not be available. In the five year capital outlay projection we projected replacing the LIFEPAK 12's in FY 2013/2014. We will be asking for six (6) LIFEPAK 15's to replace the LIFEPAK 12's at approximately \$ 34,000 a unit for a total estimated cost of \$ 204,000. If awarded, the city's 10% match for six new LIFEPAK 15's would be \$ 20,400.00.

**WARD DIESEL FILTER SYSTEMS:**

The Ward Diesel Filter System is a no smoke, self-contained, fully automatic, diesel exhaust filtering system designed to trap potentially hazardous pollutants before you take a single breath. Ward Diesel Filter System's patented **NO SMOKE** system exceeds all established permissible exposure limits as stated by NIOSH/OSHA and can be easily retrofitted to your apparatus within 48 hours. The budgeted vehicle exhaust rail system for the new fire station was eliminated from the project during the value engineering review. This Ward Diesel Filter system is mounted directly to the vehicle. We will be asking for nine (9) units for our vehicles. Each system as a unit cost of \$ 8,674.00, which would have a total cost of \$ 78,066. If awarded, the city's 10% match for 9 units would be \$ 7,807.00.

Each grant is reviewed and evaluated independently of each other. They are stand alone grants even though they are combined into one application. The request at this time is just to fill out and submit the grant prior to the grant deadline of September 9, 2011. If any part of the grant request is awarded, the city has the option at that time to accept or deny the grant. If accepted, the city's obligation would be to pay the 10% match of the awarded grant.

**RECOMMENDATION/RATIONALE:**

We are requesting that City Council authorize the Muscatine Fire Department to fill out a grant and submit it to the Department of Homeland Security for four (4) Lucas CPR Compression Devices, six (6) LIFEPAK 15 monitors and defibrillators, and nine (9) Ward Diesel Exhaust System's for fire department vehicles. If the grant is awarded, and the city accepts the grant, then there would be a 10% city match.