City of Birmingham
A Walkable Community

MEMORANDUM

Department of Public Services

DATE: **October 21, 2014**

TO: **Joseph A. Valentine, City Manager**

FROM: **Lauren A. Wood, Director of Public Services**

SUBJECT: **Compressor #1 – Emergency Service**

At the Birmingham Ice Sports Arena there are two compressors which are the main mechanical equipment that is used to maintain the cooling systems for the two ice arena surfaces at the Birmingham Ice Sports Arena. Both compressors have annual maintenance completed by Delta Temp, Inc. The maintenance includes cleaning the motors, changing the motor oils, greasing and making any needed adjustments to the springs inside the motors. On July 23rd Arena staff was informed by the technician after the compressors were started to test the system that compressor #1 was not running very well and that there could be a 50% chance that there would be further problems.

Since the ice was going to be installed on August 4th we did not want to take a chance with the compressor failing prior to installing the ice or during the ice arena season. In addition, just one compressor could not handle both ice sheets, so the technician was directed to diagnosis the situation. The Delta Temp technician found that the ball bearings were sheared and could have caused more internal damage to the compressor if it is not repaired. This being the case, the technician proceeded to rebuild and clean compressor #1.

Compressor #1 was purchased in 2006 for a cost of $31,500 and if the needed repair was not completed a new compressor would have to been purchased, exceeding the original purchased price in 2006. At the time this was an emergency repair and in the future during the summer shut down a scheduled maintenance plan will be determined for compressor #2.

Delta Temp, Inc. is the company that maintains and services the mechanical equipment at the Birmingham Ice Sports Arena and they had originally installed the compressor in 2006. Last week, the invoice was received in the amount of $7,452.65 for the rebuilt of compressor #1 at the Ice Arena. Funds for this are available and will be paid from the Ice Arena Maintenance account #101-752.000-930.0300.

SUGGESTED RESOLUTION:
To confirm the City Manager's authorization for the emergency expenditure regarding repairs to Compressor #1 by Delta Temp, Inc. at the Birmingham Ice Sports Arena in the amount of $7,452.65 to be paid from the Ice Arena Maintenance account #101-752.000-930.0300.