

## Request for Decision

### Sudbury Community Arena Main Rink Lighting Replacement

Presented To: Community Services  
Committee

Presented: Monday, Jul 09, 2012

Report Date Tuesday, Jun 26, 2012

Type: Managers' Reports

### Recommendation

THAT the main rink lighting at the Sudbury Community Arena be replaced as requested by the Electrical Safety Authority (E.S.A) in 2012, and;

THAT the cost for the retrofit be funded from the 2013 Community Development Capital envelope.

### Finance Implications

If approved, the emergency main rink lighting replacement at the Sudbury Community Arena will be funded through the 2013 Community Development Capital envelope.

## Background

In February of this year, a light fixture fell while lighting was being set up for a concert. As a result, an emergency inspection was completed and subsequent safety precautions undertaken. An engineering firm completed a structural review of the light fixtures roof connections at the arena. The engineer determined that the structural aspects of the lighting system were sound however the failure was due to the age of the light connections.

The consultant concluded that the device supporting the fixture has reached the end of its life and is failing when staff raise or lower the light fixtures. The consultant recommended replacing the system to avoid any future failures. The Electrical Safety Authority conducted an inspection and confirmed that the rink lights are in very poor condition, especially the fixtures that are continually raised in order to accommodate concerts and shows. In response to direction from the Electrical Safety Authority (ESA), a certified electrician was hired to complete temporary retrofits.

The following retrofits were implemented:

- 1) Secured all lights/safety chains
- 2) Bonded fixtures to steel beams to avoid electric hazard (interim measure until lights are replaced, proper

#### Signed By

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**Recommended by the Department**

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light bonding to be included as part of the lighting replacement)

3) Installed drywall under fixtures to avoid fire hazard

4) A consultant engineer was hired to prepare the main rink lighting specification to tender the project. The ESA inspector requires that the lighting replacement be completed in 2012. The emergency lighting replacement expenditures, \$37,500, fall under the Purchasing By-law (emergency purchases section 22).

#### **Purchasing By-law**

The Purchasing By-law 2006-270 under emergency purchases section 22 states:

1. Where an Emergency exists requiring the immediate procurement of Goods, Services or Construction, a General Manager or the Agent may purchase the required Goods, Services or Construction by the most expedient and economical means, notwithstanding any other provision of this By-law. As soon as practicable thereafter, the Agent shall comply with Section 26 of this By-law.
2. For all Emergency purchases made by a General Manager, the General Manager shall as soon after the purchase as reasonably possible, notify the Agent with a written report detailing the circumstances of the Emergency. A report to Council shall be made by the General Manager or the Agent in all circumstances where the Emergency purchase exceeds \$35,000.

#### **Required Retrofits**

The cost to complete the lighting replacement at the arena is estimated between \$400,000 - \$425,000. The cost estimate includes temporary retrofits as requested by ESA, design, purchase and installation. Funding for the proposed lighting emergency retrofits and replacement are recommended to be derived from the 2013 CDD capital envelope.

The lighting retrofit can begin in July and will not interfere with the scheduled concerts and shows and the upcoming 2012 - 2013 ice season. Staff are working with the Manager of Energy Initiatives to seek an energy retrofit grant to offset some of the proposed expense.