



Report to: General Committee

Date Report Authored: September 8, 2011

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**SUBJECT:** Civic Centre Artificial Ice Rink Phase 2  
**PREPARED BY:** Glen Taylor, Senior Manager, Infrastructure & Special Projects, ext. 3180

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**RECOMMENDATION:**

- 1) THAT the report entitled "Civic Centre Artificial Ice Rink Phase 2" be received;
- 2) AND THAT Council approve the transfer of surplus funds from the project "Photovoltaic Solar Panel System at 8100 Warden" to fund the Civic Centre Artificial Ice Rink Phase 2 in the amount of \$325,286 inclusive of HST, from account number 056-5350-9540-005;
- 3) AND THAT Staff be authorized and directed to do all things necessary to give effect to this resolution.

**PURPOSE:**

The purpose of this report is to obtain Council approval to transfer surplus funds from the Photovoltaic Solar Panel project at 8100 Warden" to fund Phase 2 of the Markham Civic Centre Artificial Ice Rink.

**BACKGROUND:**

In September 2009, Council approved funding for the Civic Centre Ice Rink through the Recreation Infrastructure Canada RInC program. In January the Town of Markham requested and received approval for an extension from the original deadline of March 31, 2011 to October 31, 2011. This was due to unforeseen construction issues and inclement weather. We are pleased to announce that the project was substantially completed on July 7, 2011 and all deficiencies have been addressed by the General Contractor Dinardo C Group.

We are now preparing for the upcoming inaugural ice skating season. The refrigeration plant is scheduled for startup Nov 1, 2011. We will draw down the temperature of the ice rink slab two degrees per day. This controlled draw down takes place over six days and is to ensure all systems are working correctly and to prevent the slab from cracking. Once all systems are verified, ice making can commence. With weather permitting we could be skating by November 15<sup>th</sup>, 2011 with an official opening in early December.

**OPTIONS/ DISCUSSION:**

The original design and general construction contract did not allow for lighting, public address (PA) / sound system, site furnishings and operational supplies, etc.

The proposed hours of operation are 10am to 10pm seven days a week.

The following proposed enhancements will ensure an excellent skating experience, and provide the appropriate level of site safety and security.

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Staff retained Jim Snelgrove, MJS Consultants for electrical and site lighting design and David Clark Consulting for sound design.

The following are descriptions of the proposed work and budget estimate;

Electrical / Lighting

To provide two level LED walkway lighting around the south and east perimeters of the skating rink, two floodlighting assemblies, conduits and power provisions for the sound system. Retrofit the existing pot lights in the canopy outside of the cafeteria to LED. All proposed lighting systems are "Dark Sky Compliant". This will allow for appropriate lighting levels for night time use and patron safety.

Budget: \$105,000 plus HST

Sound System

To provide amplifiers, speakers, wiring, automated multiple message announcements, paging, music etc. The primary use of the system will be for ensuring the patrons leave the ice surface prior to ice resurfacing and emergency announcements.

Budget: \$55,000 plus HST

Rubber Skate Tile

To provide approximately 4600 sq ft of interlocking skate tile with reducer strip (winter use only) which will be installed in the new change room, run outside under the canopy to the lower atrium doors and out to the edge of the skating rink. The product can withstand snow clearing equipment and will be removed and stored when the rink is not in use.

Budget: \$53,000 plus HST

Site Furnishings

To provide six 6' benches with backrest for the verge around the rink and six 6' benches without backrest to go between the columns under the canopy outside of the cafeteria.

Budget: \$28,000 plus HST

First Aid, Signage and Maintenance Equipment

AED machine and alarm box, site and operational signage, flooding hose and reel, miscellaneous maintenance equipment, permanent benches for change room.

Budget: \$16,600 plus HST

Grand Opening

To provide entertainment, mementos, food and beverages.

Budget: \$20,000 plus HST

Summary


Items	Pre-Tax	Price Inclusive of HST
Consulting Fees	13,000	13,229
Electrical/Lighting	105,000	106,848
Sound System	55,000	55,968
Rubber Skate Tile	53,000	53,933
Site Furnishings	28,000	28,493
First Aid, Signage & Maintenance Equipment	16,600	16,892
Grand Opening Budget	20,000	20,352
Sub total	290,600	295,715
10% Contingency	29,060	29,571
<b>Grand Total</b>	<b>\$ 319,660</b>	<b>\$ 325,286</b>

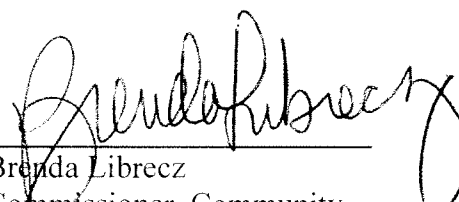
It is recommended that the funding requirements for the Civic Centre Artificial Ice Rink Phase 2, totaling \$325,286, be transferred and funded from the remaining balance available from project #056-5350-9540-005, Photovoltaic Solar Panel System at 8100 Warden.

**BUSINESS UNITS CONSULTED AND AFFECTED:**

Finance  
Urban Design  
Operations  
Asset Management  
Recreation

**RECOMMENDED  
BY:**

  
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Glen Taylor  
Senior Manager, Infrastructure  
& Special Projects

  
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Brenda Librecz  
Commissioner, Community  
& Fire Services

**ATTACHMENTS:**

Artificial Ice Rink Site Plan