



Report to: General Committee

Date Report Authored: May 22/13

SUBJECT: Thornlea Pool and Gymnasium Roof Replacement
PREPARED BY: Graham Seaman, Senior Manager, Sustainability, ext. 7523

RECOMMENDATION:

- 1) THAT the Staff report titled “Thornlea Pool and Gymnasium Roof Replacement” be received;
- 2) AND THAT the cost of the design and replacement of Thornlea Pool roof to an upset amount of \$293,000 be funded from the Life Cycle Replacement and Capital Reserve (#087-2800-200);
- 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 request funding in the amount of \$293,000 for the replacement of roof at Thornlea Pool prior to the installation of a 70kW solar photovoltaic array by PowerStream Solar.

BACKGROUND:

Per the staff report “Transition of Thornlea Pool and Gymnasium Operation to the City of Markham” approved by Council on April 16, 2013, the City will have full operating responsibility of the facility as of July 1, 2013. In 2010, Council approved the signing of roof top leases with PowerStream Solar including Thornlea Pool. The transition allows the City to move ahead with plans to install a 70kW solar photovoltaic (PV) array on the roof through a 20 year roof top lease to PowerStream Solar. PowerStream Solar in turn has a 20 year renewable energy Feed-In-Tariff contract from the Ontario Power Authority for this facility.

OPTIONS/ DISCUSSION:

Due diligence, roof condition assessment, for the solar array installation showed the roof is in need of replacement within the next five years. The roof at Thornlea Pool had been identified to be replaced in 2015 according to the Life Cycle Reserve Study. However, it is prudent to plan roof replacement to minimize roof work needed during the solar array’s life to ensure maximum revenue from the sun.

The roof needs to be replaced in the Summer 2013 prior to the installation of the solar array scheduled for Fall 2013,

FINANCIAL CONSIDERATIONS AND TEMPLATE: (external link)

The cost of the design and replacement of Thornlea Pool roof to an upset amount of \$293,000 will be funded from the Life Cycle Replacement and Capital Reserve.

HUMAN RESOURCES CONSIDERATIONS

Not applicable.

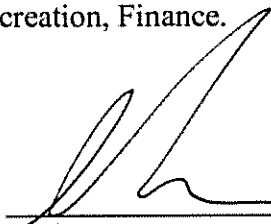
ALIGNMENT WITH STRATEGIC PRIORITIES:

The installation of renewable solar PV arrays on city facilities supports the Greenprint's goal of net zero energy, water, waste and emissions by 2050.

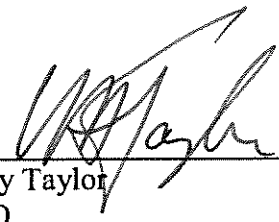
BUSINESS UNITS CONSULTED AND AFFECTED:

Asset Management, Recreation, Finance.

**RECOMMENDED
BY:**



Graham Seaman
Senior Manager, Sustainability



Andy Taylor
CAO

ATTACHMENTS:

None