

Municipality of Lakeshore – Report to Council

Growth & Sustainability

Community Services



To: Mayor & Members of Council

From: Frank Jeney – Division Leader Community Services

Date: July 27, 2021

Subject: Rock Rink Air Conditioning - Option 1 Rooftop or West Exterior Wall
HVAC Unit.docx

Recommendation

This report is for information only.

Background

At the Regular Council Meeting of February 19, 2019, the following motion was passed:

115-02-2019

Council fund consulting for the Feasibility Study for installation of air conditioning in the ROCK Rink identified on page 64, line 8 of the 2019 Draft Budget from Community Benefit Reserve.

At the Regular Council Meeting of January 12, 2021, a report for information was brought to Council that had the findings of a study completed by Jasel Engineering (Attachment 2). The Jasel report did not include feasibility and estimated financial costing for Option 1 Rooftop or West Exterior Wall HVAC Unit installation.

Comments

The purpose of this further study into a West Exterior HVAC Unit was to assess and recommend how to most effectively air condition the Rock Rink at the Atlas Tube Recreation Centre. Summer Ice requests are increasing each year with twelve month hockey and figure skating becoming a normal activity on each sport. Further, summer events have been requested at the Rock Rink that could be hosted with ice in (covered with flooring for protection), or without ice installed on the cement (such as graduations, special events).

Within the report from CALTAB Air Balance (Attachment 1), it is recommended that new air handling equipment be mounted outdoors and have conditioned air through a new duct system to condition the space. The budget shown in the report consists of two air

handling units, to accommodate the summer ice events and the summer non-ice events.

The recommendation to provide two air handling units is because it allows the facility to operate the summer ice or non-ice events with the one air handling unit handling the ice surface user load, and the other unit handling the spectator load. This allows one unit to shut down when spectators are not in attendance and load is low. This also allows smaller sets of ductwork to be installed in the ceiling of the Rock Rink, rather than one large set of ductwork required to handle the load of one single air handling unit. The estimated cost is \$2,530,000 plus HST.

Others Consulted

CALTAB Air Balance

Financial Impacts

The feasibility study was budgeted for \$80,000 in the 2019 budget to be funded from the Community Benefit Reserve.

The cost of the Jasel Feasibility Study was \$4,746.00.

The cost of the CALTAB Air Balance report was \$4,011.50

The surplus of \$71,242.50 will remain in the Community Benefit Reserve as uncommitted funds.

Should Council wish to proceed with this project it can be brought forward as part of the 2022 budget. If Council wishes to expedite this project, the estimated cost of \$2,530,000 would be funded from the Facilities Reserve Fund which currently has an uncommitted balance of \$2.6M

Attachments

Attachment 1 -CALTAB Air Balance report

Attachment 2 - Jasel Engineering Inc. Air Conditioning Report for the Rock Arena

Attachment 3 - ATC - Rock Rink Air Units (16 Units)

Attachment 4 – Council Report – Jan 12, 2021, Rock Arena Air Conditioning Report

Report Approval Details

Document Title:	Rock Rink Air Conditioning - Option 1 Rooftop or West Exterior Wall HVAC Unit.docx
Attachments:	<ul style="list-style-type: none">- CALTAB Air Balance Report - Rock Rink Air Conditioning.pdf- Jasel Engineering Inc. Air Conditioning Report fro the Rock Arena.pdf- ATC - Rock Rink Air Units (16 Units).pdf- Rock Arena Air Conditioning Report.pdf
Final Approval Date:	Aug 5, 2021

This report and all of its attachments were approved and signed as outlined below:

Tammie Ryall

Rosanna Pellerito

Kristen Newman

Truper McBride