



STAFF REPORT

DATE: October 30, 2020

TO: Chair and Commissioners,
Strathcona Gardens Commission

FROM: David Leitch
Chief Administrative Officer

RE: STRATHCONA GARDENS ENERGY EFFICIENCY UPGRADE PROJECT - UPDATE

PURPOSE

To provide an update on the Energy Efficiency Upgrade Project (EEU) including the current construction work to have one dehumidifier for arena 2 and three air handling units 3, 4 & 5 installed at Strathcona Gardens.

EXECUTIVE SUMMARY

In March 2018 the Strathcona Regional District was awarded \$4.6 million from the Strategic Priority Fund (gas tax) for the EEU at Strathcona Gardens. The EEU project is intended to increase energy efficiency through several measures, resulting in reduced carbon emissions and operating costs while at the same time replacing aging assets.

To date, project phases 1 & 2 described below have been awarded and completed and project phase 3 has been awarded and currently under construction.

1. Phase 1: CO₂ refrigeration plants awarded to Cimco Refrigeration.
2. Energy loop recovery project design and engineering fees awarded to AME consultant.
3. Phase 2: Construction services to supply and install hot water tanks, energy efficiency boilers to CanWest Mechanical Inc.
4. **Phase 3:** Construction services to supply and install a dehumidifier for arena 2 and three air handling units to Nelson Roofing and Sheet Metal.

SRD'S contractor Nelson Roofing and Sheet Metal is currently completing installations to the dehumidifier that serves arena 2, the start up of the DH-2 is scheduled for November 15th. Ice activities for arena 2 are being coordinated with Strathcona Gardens Operations and Maintenance; it is anticipated that the arena 2 will open to the public the third week of November. Air handling units 3, 4 & 5 have been lifted and installations are under way. All work to the AHU's is scheduled to be completed by November 30, 2020. The final phase of the project to design, supply and install AH1 & AH2 (pools) will be considered once further information is known about the REC-REATE project grant application (second intake).

Staff will continue to report regularly to Commission throughout the duration of the project to ensure that Commission is fully informed of progress and any major changes or impacts to facility operations.

RECOMMENDATION

THAT the report from the Chief Administrative Officer be received.

Respectfully,

A handwritten signature in blue ink, appearing to read 'Dave Leitch', is written over a horizontal line. The signature is fluid and cursive.

Dave Leitch
Chief Administrative Officer

Prepared by: Wolfgang Parada, P.Eng, Manager of Engineering Services.