

result in a payback period for the new system of approximately 7.7 years. Therefore, replacement of the current AHU and boilers with a high-efficiency system is reasonable.

A Request for Quotations (RFQ Ref. No. 1220-40-04-10) to replace the AHU and boilers with a highly efficient dehumidification and heat recovery system was issued. There were six respondents to the RFQ process, as follows:

- Davidson Brothers Mechanical Ltd.;
- Alpha Mechanical Contracting Ltd.;
- Custom Air Conditioning;
- Dual Mechanical Ltd.;
- Pine Mechanical Ltd.; and
- PML Professional Mechanical Ltd.

Based on an evaluation of the responses, staff determined that the proposal and quote from Davidson Brothers Mechanical Ltd. provides the best value to the City.

Funding for the project is available from the City's Energy Efficiency Program. Repayment of the costs of the new system will be available from the pool operating budget as energy cost savings are realized. As noted above, it is expected that the full repayment will occur over the next 7.7 years. If energy costs increase during this period, the repayment period will be shorter.

SUSTAINABILITY CONSIDERATIONS

The Sustainability Charter commits the City, through its Action Framework, to incorporate sustainability elements in its daily business activities and move the City towards reducing its environmental footprint. This project falls within the "Corporate Operations Sphere of Influence" of the Charter. It supports two (Economic and Environmental) of the three "Pillars of Sustainability" within the Charter. Specifically, the installation of the proposed energy-efficient dehumidification system will significantly reduce (-39%) the consumption of energy (electricity and gas) by capturing and reusing the energy/heat from the heated air that is exhausted from the building. Capturing and reusing energy means that less natural gas is required to heat the intake air and water which, in turn, reduces the amount of Greenhouse Gases that are emitted into the air, thus reducing the City's overall carbon footprint.

CONCLUSION

Based on the above discussion, it is recommended that Council approve the award of a contract for the supply and installation of a dehumidification system (including two high-efficiency boilers) and a new UV system at the South Surrey Indoor Pool to Davidson Brothers Mechanical Ltd. in the amount of \$509,469.00, excluding GST.

Original signed by
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