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**TO:** Committee of the Whole**MEETING:** July 9, 2019**FROM:** Dean Banman  
Manager, Recreation Services**SUBJECT:** Ravensong Aquatic Centre Solar Hot Water Community Energy Leadership  
Program Grant Application

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**RECOMMENDATION**

That the Board endorse the Community Energy Leadership Program grant application to the Fraser Basin Council for the Ravensong Aquatic Centre Solar Hot Water Heating Project.

**SUMMARY**

Board endorsement is required for the RDN's application for a Community Energy Leadership Program (CELP) grant. If successful the grant would fund 33% of the project's cost up to \$175,000. One requirement of the grant application is a resolution from local government that the project is supported.

**BACKGROUND**

In May of this year, the RDN completed an expression of interest to be considered for a grant through the Community Energy Leadership Program (CELP). This program is administered by the Fraser Basin Council. Original CELP funding was established in 2007 through the Innovative Clean Energy (ICE) Fund to support energy, economic and environmental priorities.

A project to improve the solar hot water heating capacity at Ravensong Aquatic Centre was submitted. The original hot water tank would be repurposed to collect and retain water preheated by the existing solar panels located on the roof of the aquatic centre. Other required components of the system (piping, heat exchangers, pumps, etc.) would be replaced or added as necessary. The preheated water would be used as a water source for the main tank (pool).

This project will improve the efficiency of the facility by utilizing solar energy more effectively and will reduce the use of natural gas to heat the pool. Should the facility be expanded in the future, the infrastructure would still be required and used to heat the swim tanks.

In June, the RDN was informed by the Fraser Basin Council that the Ravensong Solar Hot Water Heating Project was shortlisted to the final round of the grant application process.

The final grant funding decision is expected in August or September of this year.

## ALTERNATIVES

1. That the RDN Board endorse the Community Energy Leadership Program grant application to the Fraser Basin Council for the Ravensong Aquatic Centre Solar Hot Water Heating Project.
2. That the Board not endorse the grant application.
3. That the Board provide alternate direction.

## FINANCIAL IMPLICATIONS

Funding for the entire project in the amount of \$100,000 has been allocated in the approved Five-Year Financial Plan for the works to commence in 2019 and completed in 2020. If the RDN is successful in securing CELP grant funding, the amount equal to grant funding currently in the approved Financial Plan would not be required. This amount would be left in reserves to be used for future facility upgrades and capital replacement projects.

## STRATEGIC PLAN IMPLICATIONS

Climate Change - Be leaders in climate change adaptation and mitigation, and become net zero by 2032.



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June 24, 2019

Reviewed by:

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- T. Osborne, General Manager, Recreation and Parks
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