



REPORT

To: Chair and Directors

Report Number: CS-BRD-358

From: Chetwynd Civic Properties Commission

Date: November 21, 2024

Subject: Function 255 – Pre-Budget Approvals - Chetwynd Arena

RECOMMENDATION #1: [Corporate Weighted]

That the Regional Board provide capital budget pre-approval for the 2025 supplemental request to install desuperheater integration with arena DHW at a cost not to exceed \$47,870 and authorize the inclusion of the expense in Function 255 – Chetwynd Arena in the draft 2025-2029 PRRD Financial Plan.

RECOMMENDATION #2: [Corporate Weighted]

That the Regional Board provide capital budget pre-approval for the 2025 supplemental request to implement dehumidifier setpoint optimization at a cost not to exceed \$4,313 and authorize the inclusion of the expense in Function 255 – Chetwynd Arena in the draft 2025-2029 PRRD Financial Plan.

BACKGROUND/RATIONALE:

In 2023, Polar Engineering was hired to perform a greenhouse gas (GHG) emissions and energy reductions engineering analysis of the Chetwynd & District Rec Centre, inclusive of both the Arena (Function 255) and the Leisure Centre (Function 240). The intention of this study was to determine the most cost-effective way of reducing GHG emissions, energy usage, energy costs and to recommend projects that would qualify for an implementation incentive from Fortis BC. Through this study, the above capital projects were identified that would meet those criteria.

In May 2024, staff at the Centre received the attached letter stating that they were eligible for the approved energy conservation incentives. To receive the 75% incentive, the projects must be completed within 18 months. The projects need to be completed during the shutdown period of the Arena Refrigeration Plant as well as the Pool shutdown in August of 2025. To achieve this timeline, the projects must be tendered and awarded no later than January, 2025 to be able to secure installation in August.

On October 22, the Chetwynd Civic Properties Commission passed the following draft resolution.

MOVED, SECONDED and CARRIED,

That the Civic Properties Commission recommend pre-budget approval for the following Capital projects:

<i>Project</i>	<i>Capital Expenditure after incentive</i>
<i>Desuperheater integration with Arena DHW</i>	<i>\$47,870</i>
<i>Dehumidifier Setpoint Optimization</i>	<i>\$4,313</i>
<i>Heat Recovery using SSHP</i>	<i>\$178,940</i>

Pre-budget approval and supplemental requests for the heat recovery using site specific heat pump can be found as part of the pre-budget approval requests for Function 240 – Chetwynd Leisure Centre.

ALTERNATIVE OPTIONS:

1. That the Regional Board provide further direction.

STRATEGIC PLAN RELEVANCE:

- Asset and Infrastructure Management
- Identify Funding and Investment Strategies

FINANCIAL CONSIDERATION(S):

The value of the supplemental is after the incentive amount. The chart below shows the total cost of the project, the capital expenditure after the incentive program, and the actual value of the grant that Fortis BC has authorized for the project.

Project	Project Cost (\$)	Capital Expenditure after incentive	Implementation Incentive (Grant Amount)
Desuperheater integration with Arena DHW	\$76,130	\$47,870	\$28,260
Dehumidifier Setpoint Optimization	\$17,250	\$4,313	\$12,938.50
Total Pre-Approval Supplemental Amount Function 240		\$52,183	

COMMUNICATIONS CONSIDERATION(S):

District of Chetwynd staff will be notified as to the Board's decision.

OTHER CONSIDERATION(S):

None at this time.

Attachments:

1. Heat Recovery and Gas Conservation Study – December 22, 2023
2. Chetwynd Civic Properties Commission Staff Report – October 22, 2024
3. Fortis BC Implementation Incentive Letter
4. Supplemental Request – Function 255 – Desuperheater Integration with Arena DWH
5. Supplemental Request – Function 255 – Dehumidifier Setpoint Optimization