

Topic: Entwistle Community Recreation Centre Pool Boiler

**Introduction:**

The boiler for the Entwistle Outdoor Pool has not been able to meet the demands of the facility and is now in need of significant repairs.

**Background Information:**

Over the last several years, maintenance issues had been identified with the boiler at the Entwistle Pool, as it was no longer functioning at full capacity. Following an inspection, parts were replaced, and an external heat exchanger was added to improve the boiler's performance. The facility was also connected to the WILD water line at this time, improving our source water. While this provided a short-term remedy, we continue to have issues with the boiler, as it is not the appropriate size for the facility and cannot keep up when air temperature is low. Damage to the internal components of the boiler have also occurred due to increased condensation and rust.

**Analysis:**

Parkland County has been working to determine a long-term solution for this piece of equipment. We recommend replacing the existing boiler with a new one that increases the BTU capacity from 1 million to 3 million. This upgrade will allow for quicker heating of water during the shoulder seasons eliminating the condensation issue we are currently experiencing. Additionally, the new boiler should include built-in redundancy to minimize any potential interruptions during the swim season. Administration is working with the original contractors to understand the process for the original installation and to confirm if the boiler operated to manufacturers specifications.

**Alternatives:**

1. Repair the existing boiler and defer the replacement by another 1-2 years (Estimated cost of \$30,000)

### **Conclusion/Summary:**

Parkland County continues to experience issues with the boiler at the Entwistle Pool, due to the capacity of the equipment compared to the size of the pool. It is recommended that the boiler is replaced with one that is an appropriate size for the pool, rather than continuing to invest in a piece of equipment that will need to be replaced in the near-term, and may cause unnecessary closures of the facility. Parkland County has a cost share agreement with Yellowhead County. If Parkland County Council approves this request, we will request funding under this cost share agreement.

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