

<b>Subject:</b>	Marl Pits Pool Filtration System	<b>Status:</b>	For Publication
<b>Report to:</b>	Full Council	<b>Date:</b>	13 <sup>th</sup> September 2023
<b>Report of:</b>	Facilities Manager	<b>Lead Member:</b>	Resources
<b>Key Decision:</b>	<input checked="" type="checkbox"/> Forward Plan <input checked="" type="checkbox"/>	General Exception <input type="checkbox"/>	Special Urgency <input type="checkbox"/>
<b>Equality Impact Assessment:</b>	Required:	No	Attached: Yes/No
<b>Biodiversity Impact Assessment:</b>	Required:	No	Attached: Yes/No
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## 1. RECOMMENDATION(S)

- 1.1 Full Council to approve the renewal of a new pool filtration system at Marl Pits Pool and authorise officers to tender the project.
- 1.2 Full Council to delegate the appointment of the contractor to the Head of People and Policy in consultation with the Lead Member for Resources.

## 2. EXECUTIVE SUMMARY

- 2.1 The purpose of this tender and subsequent contract is to renew the pool filtration system at Marl Pits Pool to ensure the pool facility can continue operating.
- 2.2 The pool filtration system at Marl Pits Pool consists of two large circular steel tanks approximately 2.5 metres in diameter, 1.8 metres in height which are sited in the lower levels of the plant room. The pool water is continuously piped through the tanks under pressure which passes through sand within the tanks that removes the impurities.
- 2.3 Because the tanks are showing visual signs of detrition Andrew Gaffey Ltd Consulting Engineers for the pool industry were commissioned by Rossendale Leisure Trust to carry out a survey and an ultra – sonic test on the tanks.
- 2.4 When manufactured in 1974 the tank walls would have been 12mm thick and the minimum industry operational standard and to carry out successful repairs is + 6mm. Following the ultra sonic test some areas of the tank walls now as little as 3.5mm thick and already showing signs of detrition with pin hole leaks and rusting.

## 3. BACKGROUND

- 3.1 The two sand filter tanks will be replaced with two new ceramic steel filters. Closure of the pool would not be required when the new tanks are installed as they can be installed one at a time therefore no loss of revenue. The installation will take two weeks.
- 3.2 The new ceramic filters will make substantial savings on energy bills compared to the sand filters providing a realistic payback period and would contribute towards Rossendale Council commitment to net zero carbon by 2030.

3.3 The lower running cost of ceramic filters against the sand filters is because of the modern design, the method of filtering that no longer has to be under pressure to force through the sand filters system and the tanks are therefore smaller using less over all energy.

#### **4. RISK**

4.1 If these tanks are not renewed immediately there is a possibly of the tanks bursting which would immediately mean the closure of the pool for several weeks causing reputational damage to both the Rossendale Leisure Trust , Rossendale Council and the loss of revenue.

#### **5. FINANCE**

5.1 The estimated price for renewing the sand filter tanks with a ceramic steel filters is c£150k, this will be funded from the Carbon Reduction Capital Scheme.

5.2 Compared to a sand filtration system the use of ceramic filters will reduce Rossendale Leisure Trusts annual utility costs by an estimated £22k per annum as broken down below. In addition, installing ceramic filters will reduce CO2 emissions by 15.8 tonnes.

<b>Utility</b>	<b>Annual tonnes CO2 Saving</b>	<b>Approximate Annual Savings</b>	<b>% £ Savings</b>
Electricity	9.1	£12k	58%
Gas	6.7	£ 6k	80%
Water		£ 4k	80%
Total	15.8	£22k	

#### **6. LEGAL**

6.1 The Contract Procedure Rules require Corporate Management Team and Cabinet to approve any contract with an expenditure of over £100k prior to going out to tender. It is however important to tender this contract as soon as possible due to the nature of the works. It is therefore prudent and expedient for the matter to be considered by Full Council.

#### **7. POLICY AND EQUALITIES IMPLICATIONS**

7.1 No policy or equality implications.

#### **8. REASON FOR DECISION**

8.1 Full Council to approve the works and tender process for the renewal of the pool filters at Marl Pits Pool to avoid pool closure and to benefit from energy saving.