

## REPORT

Date : 2 October 2019

To : Extra Ordinary Council Meeting, 4 October 2019

From : Engineering and Services Manager, Ari Erickson

Subject : **WAIOTAHE PUBLIC TOILETS WATER SUPPLY & WASTEWATER EXTENSION**

File ID : A179927

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### **EXECUTIVE SUMMARY**

**The Waiotaha Public Toilets have been supplied with water from the adjacent Surf Club since the early 1990's and the wastewater of both buildings is disposed via on-site effluent systems. Surf club representatives approached Council seeking amendment of the current arrangement for water supply. Council officers investigated and determined that a water supply line extension from the drifts would be the lowest cost highest value solution. Council resolved to undertake the water supply extension in July 2019. Staff have since sought quotes for the proposed extension and discovered that an alternative pipe route is viable though more expensive, the benefit of the change in route is that it also allows for the simultaneous installation of a wastewater line. A wastewater line connection for the public toilets is of great value as it eliminates the need for an expensive on-site effluent system in future. The total cost for the project would be \$50,000. With the inclusion of the adjacent households on Appleton's Rd which would be captured in the rating area there will be a net reduction of rates for the wastewater and water supply schemes.**

### **PURPOSE**

The purpose of this report is to seek Council resolution to fund water supply and wastewater extensions from the existing Waiotaha Drifts lines to the Waiotaha Public toilets and Surf Club.

## **BACKGROUND**

The Waiotaha Public Toilets have been supplied with water from the adjacent Surf Club since the early 1990's. Untreated water is sourced from a shallow bore within the Surf Club lot and piped directly to the Surf Club and public toilets. Representatives from the Surf Club have approached Council seeking an increase in annual contribution from \$400/yr to \$1000/yr citing increases in pump and bore maintenance and component renewals.

A report was brought to Council in July outlining the cost savings in extending the Waiotaha Drifts water supply line, noting cost reductions and potable water as the primary drivers. Council resolved to carry out the extension.

Staff have since sought quotes for the proposed water supply line and been provided with an alternative method i.e. a pipe route change (See attached map). Contractors highlighted that they could carry out the water supply extension for an additional \$10,000 if following the state highway instead of the sea side road reserve. By taking this approach a wastewater line becomes viable and though wastewater is not needed immediately, the opportunity to install it at the same time presents an overall cost saving.

The driver to install a wastewater connection for the public toilets is the elimination of on-site effluent disposal. The current system is old and when the consent expires will require significant upgrades, especially considering its proximity to open water bodies. There are also changes in regulation occurring within central government which could pre-empt the toilets wastewater disposal ahead of the consent expiry. The cost of a new effluent schemes is estimated to be at least \$100,000, likely significantly more.

For the extensions, the water supply component has been quoted at \$30,000 and the wastewater component has been quoted at \$18,000.

## **DISCUSSION**

Engineering assessment into the wastewater and water supply extensions shows that the costs are offset by the increase in rateable units, 5 additional units. This includes both the capital cost over the life of the asset and the annual operational cost. The reduction of cost is in the order of 5c for the water supply and 50c for the wastewater in terms of annual rates.

Advantages of the extensions include

- The water supply extension provides regulated, compliant potable water to the public toilets, surf club and adjacent households
- The water supply extension eliminates the current annual contribution cost for the current bore source at the surf club
- The wastewater extension completed alongside the water supply extension results in will be at a reduced cost than it would be if done separately.
- The wastewater extension eliminates the need for on-site effluent disposal, though this would have been done in the future any way.

There are no disadvantages to the proposed extensions.

**SIGNIFICANCE ASSESSMENT**

Under Council’s Significance and Engagement Policy, on every issue requiring a decision, Council considers the degree of significance and the corresponding level of engagement required. The level of Significance for resolution of funding for the Waiotaha Public Toilets Water Supply and Wastewater Extension is considered to be low as determined by the criteria set out in section 12 of the Significance and Engagement Policy.

As the level of significance for funding the Waiotaha Public Toilets Water Supply and Wastewater Extension is considered to be of low significance the level of engagement required is determined to be at the level of inform according to Schedule 2 of the Significance and Engagement Policy.



## **COMMUNITY INPUT AND PUBLICITY**

Letters have already gone to households informing them of the water supply extension and further letters will go out informing them of the wastewater extension. At least two household has already indicated there willingness to connect.

### **Authority**

Council has the authority to make decisions on the recommendations provided in this report in accordance with the Local Government Act 2002.

## **CONCLUSION**

The extension of the Waioatahe Drifts water supply and wastewater to provide services to the Surf Club and Waioatahe Public Toilets will provide potable water at a net reduction in cost relative to the current arrangement and wastewater at less cost than will be necessary if delayed till the end of the on-site effluent consent.

## **RECOMMENDATIONS:**

- 1. That the report titled "Waioatahe Public Toilets Water Supply and Wastewater Extension" be received.**
- 2. That Council approves the loan fund of \$50,000 to complete the project.**

Ari Erickson

**ENGINEERING AND SERVICES GROUP MANAGER**

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Figure 1: Waiotaha Public Toilets Wastewater and Water Supply Extensions