

Memo

To: Alain Muise, CAO
From: Kyle Boudreau-Director of Operational Services
Date: May 30th,2022
Subject: Sludge Mixer

The Sludge Mixer at West Pubnico Sewer Treatment Plant has failed and needs replacement. Currently, the one that failed is an electric mixer with the motor and moving parts all submerged in the Sludge tank. This can cause extra wear in parts being submerged for many years.

Our options for replacement are another electric one at a cost of \$10,545 plus HST. Option number 2 is a Hydraulic one that keeps the motor up out of the liquid and only has the impeller submerged. This is built and serviced by Skipper fisheries in Pubnico and would come at a cost of \$13,500 plus HST.

In the past when the other pump let go, we did switch that one to hydraulic and have had no problems to date with the hydraulic system. The life span in theory should be longer on the hydraulic system as it is not submerged.

My recommendation would be to go with the locally built and serviced Hydraulic system for multiple reasons:

1. Locally serviced
2. Lifespan only needs to be extended by 25% to equal value

Sincerely,



Kyle Boudreau
Director of Operational Services