



AMHERST TOWN COUNCIL

RFD#

Date:

TO: Mayor Kogon and Members of Amherst Town Council

SUBMITTED BY: Jason MacDonald, Deputy Chief Administrative Officer

DATE: February 4, 2019

SUBJECT: LaPlanche River Lift Station Upgrades

ORIGIN: 2019/20 Capital Budget Item.

LEGISLATIVE AUTHORITY: 37000-01 Procurement Policy and the MGA, Section 65 (z) Power to expend money states: *"The council may expend money required by the municipality for...acquisition of equipment, materials, vehicles, machinery, apparatus, implements and plant for a municipal purpose"*.

RECOMMENDATION: That \$125,000 be allocated in the 2019/20 capital budget for upgrades to the LaPlanche River sewage lift station.

BACKGROUND: The station has an issue with rags, tissue and other sediment passing the screen and getting caught in the pumps. This requires annual cleaning and pump maintenance of approximately \$12,000. It also requires that the wastewater be bypassed into the river for the 8 hour period during cleaning.

DISCUSSION: Installing a system to grind the solids before the effluent is pumped to the WWTP will reduce pump maintenance and annual cleaning costs of the wet well to remove debris. Having the grinder located at the station also eliminates the need to replace the failed Channel Monster at the WWTP (\$45,000). A grinder or similar equipment will extend the life of the pumps and seals. There should also be reduced power consumption at the plant as the pumps will operate at peak efficiency and not be overloaded by debris accumulating on the impellers.

FINANCIAL IMPLICATIONS: \$125,000 to be included in the 2019/20 capital budget

COMMUNITY ENGAGEMENT: No community engagement has been contemplated as this time.

ENVIRONMENTAL IMPLICATIONS: Having a grinder system installed at the Laplanche Station will significantly reduce the need for the plant to operate in bypass mode and discharge effluent into the LaPlanche River while pumps are being removed for repairs.

SOCIAL JUSTICE IMPLICATIONS: There are no social justice implications to the upgrades of the lift station.



ALTERNATIVES: Do not approve the upgrades to the lift station at this time. Replace the failed Channel Monster at the WWTP at a cost of \$45,000.

ATTACHMENTS: N/A

Report prepared by: Jason MacDonald, Deputy CAO

Report and Financial approved by: