



Engineering and
Environmental Services
Utilities Division

MEMORANDUM

To: Susan Tezai, Chief Financial Officer

From: Stephanie Brixey, Deputy Director of E&ES - Utilities 

Date: July 23, 2018

Subject: **Immediate Need - Influent Pump Station 200HP Pumps Repair – E&ES – Utilities Division**

The TWWTP is designed for four (4) - 200HP pumps at the influent pump station. Currently, the Utilities Division maintain five (5) working pumps on-site, one pump is a spare as required by Permit Number NC0026051. Three (3) of these pumps failed between June 21, 2018 and July 9, 2018. One pump was removed from service due to failure to pump volume designed. Once removed it was determined the impeller was bad as well as the cables needed to be replaced. The spare pump was put into service and immediately failed due to a seal failure. The third pump needing repair was moved into the pump location needed and also had a seal failure. It is imperative that four (4) pumps be operational during hurricane season with a spare in case of an emergency.

Durham County Utilities Division has drafted the Request for Proposals (RFP 18-038) for Machinery and Equipment Repairs and provided the information to the Purchasing Division for bid process prior to the end of FY18. A 6-month short term contract renewal with Pete Duty and Associates is currently in Purchasing for DocuSign processing (FR # to be assigned) to cover repairs and services until the RFP process is complete, however; the original contract amount of \$30,000 only covers the repairs of one pump. The requested Board approved amendment (addition of \$77,472) will allow the repair of the other two pumps and keep the Utilities Division in compliance with NPDES Permit NC0026051. Total contract amount to be approved is \$107,472.

This action is in accordance with Durham County Strategic Plan Goal 4: “Environmental Stewardship and Community Prosperity,” as this will ensure a clean environment by handling incoming wastewater during a storm event that could cause heavy rainfall resulting in a sanitary sewer spill at the head of the plant. No additional policy impacts are expected.

On July 23, 2018, I spoke with Chief Financial Officer, Susan Tezai, concerning the immediate service need, the costs associated with the need, and for procurement procedure advice. Actions now being taken to go in front of the Board for approval was directed.

If further information is needed, please do not hesitate to contact me at (919) 560-9034 or Jay Gibson, General Manager at (919) 818-3095.