



Legislation Text

File #: 18-1076, **Version:** 1

Item:

Machinery and Equipment Repair Contract Amendment with Alfa Laval Inc.

Date Of BOCC Meeting: November 13, 2018

Request For Board Action:

The Board is requested to authorize the County Manager to enter into a contract amendment to increase the existing service contract with Alfa Laval Inc. (FR# 19-160) for machinery and equipment repair for the Triangle Wastewater Treatment Plant in the amount of \$20,800.31, bringing the total contract amount from \$35,831 to \$56,631.31.

Background

Durham County Triangle Wastewater Treatment Plant has strict biological nutrient removal limits as defined in National Pollutant Discharge Elimination System (NPDES) Permit Number NC0026051. To meet these strict requirements, it's imperative to maintain a healthy biomass environment in the Biological Nutrient Removal Basins. To maintain a healthy biomass environment, some microorganisms are returned to the biological process, and some microorganisms are wasted to the Solids Handling Building. In the Solids Handling Building, there are three Alfa Laval centrifuges. The centrifuges are critical to the process for dewatering waste activated sludge. The initial contract for \$35,831 was based upon the unit requiring a basic overhaul. Once the equipment was disassembled and inspected by Alfa Laval, it was noted several parts had worn beyond repair and need replacement. The additional costs associated with the repair and replacement of the defective parts is \$20,800.31.

Alignment With Strategic Plan: This action is in accordance with Durham County Strategic Plan Goal 4: Environmental Stewardship and Community Prosperity, as these centrifuges are necessary for the Triangle Wastewater Treatment Plant to meet all permit limitations as specified in the facility's NPDES permit.

Resource Persons: Peri Manns ASLA, Interim General Manager; Kyle Manning PE, Senior Project Manager; and Greg Johnson, Utilities Superintendent

County Manager's Recommendation: The County Manager recommends that the Board authorize the County Manager to enter into a contract amendment to increase the existing machinery and equipment repair contract with Alfa Laval Inc. for the Triangle Wastewater Treatment Plant in the amount of \$20,800.31, bringing the total contract amount from \$35,831 to \$56,631.31.

County Manager: _____