



Legislation Text

File #: 18-1094, Version: 1

Item:

Generator Inspection, Service and Repair Contract Amendment with National Power

Date Of BOCC Meeting: November 13, 2018

Request For Board Action:

The Board is requested to authorize the County Manager to execute this contract amendment with National Power (FR# 19-210) to increase the existing service contract for Generator Inspection, Repair, and Services for the Triangle Wastewater Treatment Plant and Collection System Pump Stations in the amount of \$31,594.24, bringing the total contract amount from \$30,000 to \$61,594.24, and to execute any other related contracts, including amendments, within budgeted appropriations.

Background

The Triangle Wastewater Treatment Plant (TWWTP) and Collection System Pump Stations are designed for continuous operation regardless of adverse weather events or utility power outages. The Utilities Division maintains four emergency generators at the TWWTP, and one emergency generator at each of the Divisions' 13 pump stations as required by National Pollutant Discharge Elimination System (NPDES) Permit Number NC0026051 and Collection System Permit Number WQCS00038. To maintain optimal redundancy and resiliency, all generators must be kept at peak performance.

During normal load testing for the solids building generator, the generator would not switch from emergency power to utility power automatically as designed. The programmable logic controller needs to be replaced to repair this issue. At Stirrup Iron Pump Station, the generator has a faulty voltage regulator which results in the generator operating at half of the designed power load.

Alignment With Strategic Plan: This action is in accordance with Durham County Strategic Plan Goal 4 "Environmental Stewardship and Community Prosperity," as these generators 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 execute a contract amendment with National Power (FR-210) to increase the existing service contract for Generator Inspection, Service, and Repair for the Triangle Wastewater Treatment Plant and Collection system pump stations in the amount of \$31,594.24, bringing the total contract amount from \$30,000 to \$61,594.24, and to execute any other related contracts, including amendments, within budgeted appropriations.

County Manager: _____