



THE CITY OF KEY WEST

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MEMORANDUM

TO: Jim Scholl, City Manager
Cc: Greg Veliz, Asst. City Manager
FROM: John Paul Castro, Utilities Director
DATE: February 8, 2019

SUBJECT: Ratifying the City Managers Emergency Procurement to Repair the Power Generator at the Wastewater Treatment Plant

Action statement:

This resolution would ratify the City Managers emergency procurement signed on February 7th to approve a task order from Charley Toppino and Sons, Inc. to remove and repair the generator end of the back-up generator at the WWTP pursuant to code of ordinances section 2-797 (2) emergency procurement.

Purpose and Justification:

After Hurricane Irma the back-up generator at the WWTP was out of service due to wind driven water intrusion. The water disabled the controls for the generator unit.

In November of 2018 the commission approved a task order from Charley Toppino and Sons, Inc. to repair the damaged parts of the generator that included the control system and radiator. As part of the repair City staff requested that the generator end be mega-ohm tested for preventative maintenance.

The generator motor passed all tests and the entire package was still producing voltage for the plant. The mega-ohm test is done with a device that connects directly to the power leads of the generation end and adds a load to measure the ability of the unit to produce proper voltage.

The unit failed the mega-ohm test. The generator end can still produce voltage but is doing so at high heat due to deteriorated insulation. The generator end will need to be pulled from the unit and craned out to be serviced in Miami. The unit will be inspected for rotor and stator condition, insulated, cleaned and replaced. This will take approximately 2 weeks.

Key to the Caribbean – Average yearly temperature 77° F.

The consequences of not repairing the generator end immediately are imminent failure when in use that would leave the part unrepairable. If the unit were to fail completely a new unit would take 12 – 15 weeks after procurement leaving the City in an extremely vulnerable state which could happen during Hurricane Season.

Financial Impact:

Funds for the project were added to the current purchase order in account Sewer/Treatment Plant/CIP 401-3504-535-6500, project HU1701F02-5356500.

Recommendation:

Staff recommends ratifying the City Managers emergency procurement for the repair of the power generator end of the back-up generator at the WWTP to Charley Toppino and Sons, Inc. in the amount of \$108,778.28