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**City of Pompano Beach
UTILITIES ADMINISTRATION**

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MEMORANDUM NO. 16-41

DATE: June 14, 2016
TO: Cassandra LeMasurier, Purchasing Supervisor
CC: Otis Thomas, General Services Director
FROM: A. Randolph Brown, Utilities Director 
SUBJECT: Emergency Purchase - Lift Station 37 Failure June 12, 2016

Lift station 37 experienced a failure of all three discharge pumps resulting in internal ground faults on Sunday June 12, 2016. Beginning at 11:17 starter #2 had failed followed by starter #3 at 16:04 subsequently starter #1 failed at 19:36. During this time there were no recorded phase failures or other anomalies recoded though Data Flow SCADA. The control phase monitor was evaluated and is considered to be operating appropriately. An emergency bypass pump was delivered to the station and is currently maintaining the wastewater collection and discharging though the active force main system. We are fortunate not to have any environmental spills.

Beginning this morning crews from the division have been isolating the control systems and have ruled out an internal control failure as having been responsible for the pump failures. In addition, I have contacted FPL to troubleshoot the incoming power for voltage loss and or voltage spikes which can potentially result in failures and internal grounding. Furthermore, I have confirmed such possibilities with the Ebara pump representative.

As mentioned above an emergency bypass pump has been delivered on scene and is capable of conveying the wastewater through the active force main. Additionally a spare pump will be installed into the wet well, however it will not be energized until all facets of the failure are evaluated and power is deemed safe to effectively operate the pump. It is imperative that all three pumps be delivered for repairs. The Ebara representative has been contacted and is in route to retrieve the pumps for emergency repair services; FJ Nugent and Associates is the approved inspection and repair representative for the Ebara pump line in the South Florida area.

It is my recommendation that FJ Nugent and Associates be approved for the emergency pump repair services in order to return the lift station to standard operating condition as quickly as possible.

Thank you.