



CITY OF RIVIERA BEACH – MEMORANDUM

TO: HON. MAYOR, CHAIRPERSON AND BOARD

THROUGH: JONATHAN EVANS, CITY MANAGER, MPA, MBA, ICMA-CM

FROM: DEIRDRE JACOBS, ACTING DIRECTOR OF UTILITIES

SUBJECT: LIME SOFTENING UNIT NO. 3 ROTOR DRIVE

DATE: JANUARY 21, 2020

CC: GENERAL PUBLIC

Background:

During November 2019, the rotor drive to Lime Softening Unit No. 2 failed rendering it inoperable. Only Lime Softening Unit No. 1 was operable during that time. Lime Softening Unit No. 1 does not have sufficient capacity to soften water to meet average demand. The rotor drive originally designated for the rehabilitation of Lime Softening Unit No. 3 was used to resolve the emergency with Lime Softening Unit No. 2.

Lime Softening Unit No. 3 (LSU3) is the largest of the three (3) softeners and cannot properly soften water and reduce color without the drive. The rehabilitation of LSU3 is critical for softening raw water and allowing the Riviera Beach Utility Special District to begin rehabilitation of the remaining two softening units. A rotor drive, which is an essential component for mixing lime with raw water, takes about 6 months to manufacture and deliver. LSU3 is scheduled to start-up in June 2020. Unless the new drive is ordered on an emergency basis, its rehabilitation could face significant construction delay.

The plant currently lacks redundancy, as evidenced by Lime Softening Unit No. 2 shutdown in November 2019.



Citywide Goal:

The Citywide goal is to improve water quality thus the need to ensure Lime Softening Unit No. 3 scheduled start-up is not delayed.

Budget/Fiscal Impact:

The manufacturer's quote of \$75,700 from Project Number 18138.

Recommendation(s):

It is recommended that the board approve this Resolution to purchase the rotor drive from Suez Treatment Solutions, Inc.