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City of Loganville

Public Utilities
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Staff Report Department of Public Utilities

To: Honorable Mayor Baliles and Members of the City Council

Through: Danny Roberts, City Manager

From: Brandon Phillips, Director of Utilities

Date: June 14, 2022

Subject: Downdraft Mixers for Treatment Facility

RECOMMENDATION:

Staff recommends that the City Council approve the purchase of two downdraft mixers for the wastewater treatment facility.

FISCAL IMPLICATION:

Both surface aerators in Digester #3 (septic station) are out of commission and we are not accepting septic haulers at this time. These aerators have been rebuilt numerous times and are a costly repair to the City. The costs to rebuild these aerators are roughly 60% of the cost of a new downdraft mixer. The total cost for two new downdraft mixers total \$32,594.00.

BACKGROUND:

There are currently two surface aerators in digester #3 which is the basin the septic haulers dump their waste. The aerators we have been using for mixing are not the correct application for our digesters. They are not efficient and only mix the surface of the digester. We have to remove them quarterly for maintenance, and on average every 12 to 18 months a rebuild is required. The downdraft mixers we are requesting are more effective in mixing the sludge on the bottom of the digester. This allows for a more efficient treatment process. They also withstand the harsh environments, and require less maintenance from our staff.