



City of Pflugerville

Legislation Text

File #: 2022-0205, Version: 1

Approving the procurement of repair and rebalancing services for a wastewater treatment plant dewatering centrifuge to GEA in the amount of \$80,241.87 and authorizing the City Manager to execute the same.

The City's Central Wastewater Treatment Plant currently has 2 operation centrifuges that are used for dewatering final biosolids to produce a solid that can be disposed of properly and to remove as much water as possible from the final sludge. These centrifuges are designed to run at a very high speed to pull the water away from the sludge slurry which produces a sludge cake that is roughly 20-25% solids content. Due to the high speed at which these centrifuges operate and the frequency at which they operate, it is considered a good business practice to have the rotating assemblies sent out to be rebalanced and refurbished every 5 years.

During FY2021, City Council approved a spare rotating assembly to be purchased which would allow for staff the ability to remove the rotating assemblies when they need to be sent to be rebalanced without having any negative operational consequences by having one of the centrifuges gone for an extended period of time and therefore allow staff to be able to properly follow best practices for the units. After the spare rotating assembly was delivered and installed, staff had one of the centrifuges that has been operating for longer than 5 years sent in to GEA to be rebalanced and to be inspected for any repairs that may need to be done. After GEA was able to break down the rotating assembly, they were able to provide the City with a quote for the rebalancing and necessary repairs to the unit so that staff could keep the rotating assembly on the shelf to be installed when the next assembly needs to be sent in for rebalancing. The goal is to have the 3 assemblies in rotation through the rebalancing process so that staff can continue to operate effectively and efficiently while also minimizing both down time and long term cost of not following proper preventative maintenance on the machines.

As these units are manufactured by GEA, they are solely qualified to work on their machines and provide a better service for the centrifuges given their familiarity with the machines. They are also the sole-source of authorized repairs for their centrifuges. This repair is planned to be funded through the Maintenance and Repairs line item within the Wastewater Treatment budget.

Prior City Council Action

N/A

Deadline for City Council Action

2/22/2022

Funding Expected: Revenue ___ Expenditure N/A ___

Budgeted Item: Yes No ___ N/A ___

Amount: \$80,241.87

1295 Form Required? Yes No ___

Legal Review Required: N/A Required Date Completed: _____

Supporting documents attached:

GEA Proposal, GEA Sole Source Letter, Signed Purchasing Rider

Recommended Action

Staff recommends approving the procurement of repair and rebalancing services for a wastewater treatment plant dewatering centrifuge to GEA in the amount of \$80,241.87.