



Legislation Details (With Text)

File #: ID 19-0615 **Version:** 1 **Name:** Centrifuges
Type: Resolution **Status:** Passed
File created: 8/26/2019 **In control:** City Council
On agenda: 9/17/2019 **Final action:** 9/17/2019

Title: Resolution Authorizing the Sole Source Purchase of Two (2) Centrifuges from Alfa Laval, Inc. in the Amount of \$1,948,000 for the T.Z. Osborne Water Reclamation Facility

Sponsors:

Indexes: District 2, WR Contracts

Code sections:

Attachments: 1. NC Sec of State Alfa Laval.pdf, 2. MWBE Memo - Centrifuges Purchase.pdf, 3. Greensboro NC-SL-LG-07112019-G3125-ALFA PROPOSAL R3 - DIRECT.pdf, 4. 19-0615 Resolution Alfa Laval Centrifuges.pdf

Date	Ver.	Action By	Action	Result
9/17/2019	1	City Council	adopt	Pass

Resolution Authorizing the Sole Source Purchase of Two (2) Centrifuges from Alfa Laval, Inc. in the Amount of \$1,948,000 for the T.Z. Osborne Water Reclamation Facility

Council Priority: Maintain Infrastructure and Provide Sustainable Growth Opportunities

Department: Water Resources
Council District: 2

Public Hearing: N/A
Advertising Date/By: N/A

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PURPOSE:

Water Resources requests approval to sole source the purchase of two (2) turn-key centrifuges from Alfa Laval Inc. located in Richmond, Virginia. City Council approval is required to sole source a purchase under State Public Contracting Statute GS 143-129 (e)(6) which allows exceptions to the letting of public contracts for the purchase of apparatus, supplies, materials or equipment when standardization or compatibility is the overriding consideration. In this particular case the sole source option was chosen because there is a need to increase the capacity of the centrifuges using grease and within the same configuration, and by doing this we will be able to run both incinerators at the same time. Alfa Laval, Inc. has been successful in making this work for other wastewater facilities in the industry.

BACKGROUND:

The T.Z. Osborne Water Reclamation Facility has three (3) existing centrifuges within the plants treatment process that were installed in 1994. The centrifuges dewater the sludge prior to incineration and there are two

fluidized bed sludge incinerators. When the current centrifuges were installed they were used to run one incinerator at a time. Over the last several years, the T.Z. Osborne Water Reclamation Facility has been making improvements to increasing the capacity of the plant from 40MDG to 56 MGD. As upgrades have been completed we have noticed that the existing centrifuges are not able to perform as needed, which affects plant operation. Over the last five (5) years, the plant has spent approximately \$1,275,000 on repairs to the three (3) existing centrifuges. With the amount of sludge being produced, we need both incinerators to operate simultaneously, which means we need to increase the capacity of the centrifuges. Once these centrifuges are installed and modification are made to the waste train, the plant will be set up to operate both incinerators simultaneously. The sole source purchase was evaluated for MWBE opportunities. The M/WBE Office reviewed and approved the waiver request of the M/WBE participation requirements. No goals were set for this purchase.

BUDGET IMPACT:

Funds in the amount of \$1,948,000 are budgeted in the Water Resources Capital Improvements Fund account 503-7029-06.6019. A budget adjustment is needed to use this account.

RECOMMENDATION / ACTION REQUESTED:

The Water Resources Department recommends and requests that City Council approve the sole source purchase of two (2) centrifuges from Alfa Laval, Inc. in the amount of \$1,948,000 and the associated budget adjustment.