



City of Greensboro

Melvin Municipal
Office Building
300 W. Washington Street
Greensboro, NC 27401

Agenda Report

File Number: 2023-589

Agenda Item# I.5.

Agenda Date: 8/15/2023. **Department:** Water Resources

Meeting Type: Council Meeting **Category:** General Business Agenda

Title: 2023 – 589 Resolution Authorizing the Sole Source Purchase of Cornell Influent Pumps and Danfoss VFD Equipment in the amount of \$3,398,957 from Mechanical Equipment Company, for the T.Z. Osborne Wastewater Treatment Plant Influent Pump Replacement Project

Council Priority: Place an 'x' in the box.

- | | |
|--|---|
| <input type="checkbox"/> Safest City | <input type="checkbox"/> Most Skilled Workforce |
| <input checked="" type="checkbox"/> Easiest Place to Do Business | <input type="checkbox"/> Most Connected City |
| <input type="checkbox"/> Youth Sports Capital | <input type="checkbox"/> Hub of Recreation and Entertainment |
| <input type="checkbox"/> Abundance of Attainable Housing | <input checked="" type="checkbox"/> Other/Admin <u>Infrastructure Improvement</u> |

Council District: 2

Public Hearing: No

Advertising Date/By: N/A

Contact 1 and Phone: Mike Borchers, Ext. 2494

Contact 2 and Phone: Virginia Spillman, Ext. 3260

PURPOSE:

Water Resources requests Council approval to sole source the purchase of four large influent pumps and their associated variable frequency drive electrical equipment from Mechanical Equipment Company in Matthews, North Carolina. City Council approval is required to sole source a purchase under State Public Contracting Statute GS 143-129 (e)(6). State law 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 is being requested because of the superior dependability demonstrated by the Cornell Pumps currently installed at the plant and the opportunity to maintain the standardization of parts to support their operation and maintenance.

BACKGROUND:

The T.Z. Osborne Wastewater Treatment Plant has four Cornell influent pumps. Each 600 horsepower pump has the capability to convey up to 25 million gallons per day of flow. The existing influent pumps are approaching forty years of age and are beyond their life expectancy which necessitates their replacement along with the supporting electrical equipment. The new pumps will improve the reliability and dependability of this critical system as each new pump is more energy efficient and rated with a higher capacity of 33 million gallons per day.

Vision Statement: "A Community with Endless Economic Opportunities and Exceptional Quality of Life."

Arcadis G&M of North Carolina is the Engineer of Record and assisting with the purchase specifications for this equipment. Approval to purchase this equipment in advance is requested in light of the long manufacturing and delivery lead time. Advanced purchasing will ensure this system will not adversely impact the schedule for the forthcoming construction project that will install the equipment.

BUDGET IMPACT:

Funding is budgeted in a Water Resources Revenue Bond Account.

ACCOUNT NUMBER:

517-70-7099196.6019

RECOMMENDATION / ACTION REQUESTED:

It is recommended that City Council approve the Sole Source Purchase of Cornell Influent Pumps and Danfoss VFD Equipment in the amount of \$3,398,957 from Mechanical Equipment Company, for the T.Z. Osborne Wastewater Treatment Plant Influent Pump Replacement Project