



City of Denton

City Hall
215 E. McKinney Street
Denton, Texas
www.cityofdenton.com

AGENDA INFORMATION SHEET

DEPARTMENT: Materials Management

ACM: Mario Canizares

DATE: June 20, 2017

SUBJECT

Consider adoption of an ordinance ratifying the expenditure of funds by the City Manager for the emergency replacement of four (4) pumps at the Pecan Creek Water Reclamation Plant Raw Sewage Pump Station No. 2 in accordance with provisions of Section 252.022 of the local government code exempting such purchases from requirements of competitive bidding; and providing an effective date (File 6470-awarded to multiple vendors in the estimated amount of \$665,619). The Public Utilities Board recommends approval (7-0).

FILE INFORMATION

The Pecan Creek Water Reclamation Plant Raw Sewage Pump Station No. 2 (RSPS2) houses 4 pumps, each with a pumping capacity of 8 million gallons each. It is a critical asset as these pumps pump the wastewater flows from the sewer system into the wastewater treatment plant. Failure of this asset can cause wastewater overflows in the sewer system during wet weather events. One of the pumps in the RSPS2 is currently completely disabled, and a second pump is on the verge of becoming disabled. The other two pumps are suffering from cavitation (the formation of vapor cavities in a liquid) due to inefficient hydraulic conditions and could be compromised. Staff has deemed this replacement of pumps necessary to protect the public health and safety in accordance with the Local Government Code 252.022. (Exhibit 2-Emergency Declaration Form).

Due to the emergency nature of this project, staff obtained a proposal from an experienced contractor that has performed this type of work for the City previously. The selected contractor, Control Specialists Services, L.P. has worked on pumps and valve replacements for the Water Reclamation Plant and has performed quality work in a timely manner under difficult working conditions. This includes providing qualified labor services similar to the work to be performed under this contract. The scope of work for this project includes the construction of structural hydraulic improvements in the wet well to stream line the flow entering the pump suction to alleviate the cavitation issues that are causing pump failure. This will also include bypass pumping of the wastewater flow away from the RSPS2 during the project construction, and providing labor for the pump and piping installation in the pump room. The cost estimate for the work to be performed is \$437,134 (Exhibit 3). Materials for this project will be purchased separately. A purchase order was issued for the valves in the amount of \$78,485 based upon the quote included as Exhibit 4. These items had a lead time of up to twelve (12) weeks. Based on the scope of this project, staff estimates that the cost for pipe and fittings will not exceed \$150,000.

PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)

On June 12, 2017, the Public Utilities Board recommended approval to forward this item to the City Council for consideration.

RECOMMENDATION

Approve the emergency replacement of four (4) pumps at the Pecan Creek Water Reclamation Plant Raw Sewage Pump Station No 2.in the estimated expenditure amount of \$665, 619. This estimated amount consists of:

<u>Expenditure Type</u>	<u>Vendor</u>	<u>Cost Estimate</u>
Construction	Control Specialist Services, L.P.	\$437,134
Valves	Hugh M. Cunningham, Inc.	\$ 78,485
Pipe and Fittings	Ferguson Water Works	\$150,000 (not-to-exceed)

PRINCIPAL PLACE OF BUSINESS

Control Specialist Services, LP. Decatur, TX	Hugh M. Cunningham, Inc. Carrollton, TX	Ferguson Water Works Ft. Worth, TX
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ESTIMATED SCHEDULE OF PROJECT

The pump installations are estimated to be completed within 45 days of receipt of all materials. Due to the long lead time for delivery of the valves, the total project is estimated to be completed by August 21, 2017.

FISCAL INFORMATION

Funds for the pump installation are available from operating account number 640321541.1350.40100.

STRATEGIC PLAN RELATIONSHIP

The City of Denton's Strategic Plan is an action-oriented road map that will help the City achieve its vision. The foundation for the plan is the five long-term Key Focus Areas (KFA): Organizational Excellence; Public Infrastructure; Economic Development; Safe, Livable, and Family-Friendly Community; and Sustainability and Environmental Stewardship. While individual items may support multiple KFAs, this specific City Council agenda item contributes most directly to the following KFA and goal:

Related Key Focus Area: Organizational Excellence
Related Goal: 2.3 Promote superior utility services and facilities

EXHIBITS

Exhibit 1: Agenda Information Sheet
Exhibit 2: Emergency Declaration Form
Exhibit 3: Construction Quote
Exhibit 4: Valve Quote
Exhibit 5: Public Utilities Board Minutes
Exhibit 6: Ordinance

Respectfully submitted:
Galen Gillum, 349-7656
Director of Capital Projects

For information concerning this acquisition, contact: P.S. Arora at 349-7189.