



CITY COUNCIL AGENDA FORM

Meeting Date: May 8, 2023

Prepared by: Rick Sailler

Department: Public Works

Agenda item: _____

Reviewed by: _____

AGENDA ITEM DESCRIPTION: Discussion/possible action regarding a resolution to the issuance of a Purchase Order to Zone Industries (Precision Pump Systems) to provide and install new Variable Frequency Drives (VFDs), Line Reactors and Surge Suppression at the 1764 Pump Station Facility in the amount of \$75,540.32.

ATTACHMENTS FOR REFERENCE:

1. Resolution
2. Proposal VFDs - Zone Industries
3. Proposal Line Reactors / Surge Suppression - Zone Industries
4. Engineer's Recommendation - Adico Engineer
5. Contractor Analysis of Failure - Email - Precision Pump Systems
6. Electrical Supply and Equipment Protection Email
7. Buy Board Vendor Verification

STAFF BRIEFING:

- ❖ The 1764 Pump Station supplies water into the La Marque Water System from the West Take Point from Gulf Coast Water Authority
- ❖ The Pump Station experienced a catastrophic failure in July 2022 due to an electrical surge that was unprotected at that time.
- ❖ Precision Pump System (original installer of the system) responded and installed a backup control system to allow the City to operate one pump to ensure flow and pressure met demand on the northwest section of the City.
- ❖ The new VFD's will be protected with Line Reactors and Surge Protection.
- City Manager has reviewed and approved.
- Finance Director has reviewed and approved.
- City Attorney has reviewed and approved.
- City Engineer has reviewed and approved.

TARGET IMPLEMENTATION: May 10, 2023 - Issuance of Purchase Order

SIGNIFICANT ACTION DATES: July 1, 2023 - new VFD's installed and online



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ACTION:

- | | |
|--|--|
| <input type="checkbox"/> Ordinance | <input checked="" type="checkbox"/> Resolution |
| <input type="checkbox"/> Special Presentation | <input type="checkbox"/> Proclamation |
| <input type="checkbox"/> Finance Report | <input type="checkbox"/> Public Hearing |
| <input type="checkbox"/> Municode Codification | |
| <input checked="" type="checkbox"/> Mark if this item does not conflict with any Resolution, Ordinance or City Charter, policies, procedures | |

Cost Details:	
Budgeted	
Actual Bid	
Estimated Expenditure	\$75,540.32
Acct. Name(s)	Water Supply System
Line Items #	
Other Funding	2020 CO Bond

STAFF'S RECOMMENDATION: Motion to approve the issuance of Purchase Order to Zone Industries in the amount of \$75,540.32 for replacement VFD's and pwere supply protection devices.

FISCAL IMPACT: \$75,540.32