

# CITY OF HIGH POINT

## AGENDA ITEM



**Title:** Waterview Pump Station VFD Improvements

**From:** Terry Houk – Public Services Director

Derrick Boone – Public Services Asst. Director

Trevor Spencer – Projects Engineer

**Meeting Date:** March 20, 2017

**Public Hearing:** N/A

**Advertising Date:** January 13, 2017

**Advertised By:** Purchasing

**Attachments:** Attachment A – Award Recommendation

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### **PURPOSE:**

The City has budgeted for improvements to the Waterview Pump Station which consists of three (3) new Variable Frequency Drive (VFD) Systems.

### **BACKGROUND:**

The Waterview Pump Station had two existing VFD's that failed after many years of service. The city replaced the VFD's with soft starts which only allows full speed operation of the pumps. With the upgrade of the new forecemain the softstarts will need to be replaced with VFD's to control flow from the pump station. This contract would replace the original VFD's and add a third VFD for future pump installation. All VFD's will be identical systems to maintain compatibility and consistency during operation.

### **BUDGET IMPACT:**

Funds for this project are available in the FY 2016-2017 budget .

### **RECOMMENDATION / ACTION REQUESTED:**

The Public Services Department recommends approval of the contract and that the appropriate City official be authorized to execute all necessary documents to award the project to East Coast Construction Services, LLC in the amount of \$239,850.<sup>00</sup>.

# STURGILL ENGINEERING P.A.

March 7, 2017

Terry Houk  
City of High Point  
Public Services Department  
P. O. Box 230  
High Point, NC 27261

Mr. Houk:

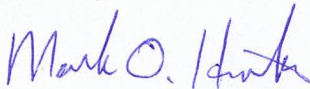
Regarding the Bid Tabulation for the Waterview Pump Station VFD Improvements –  
Bid # 38-022217, Randy Sturgill & I recommend acceptance of the East Coast Construction Services, LLC, Total #1  
(Base Bid plus alternates B1, B3, B4, B5, B6) in the amount of \$239,850.00.

East Coast Construction Services, LLC provided the lower bid for both Total #1 and Total #2 options.

In our opinion, Total #1 is preferred over Total #2 because Total #1 provides the advantage of three completely new, identical VFD systems with full 3-year warranty as opposed to Total #2 which would provide one completely new VFD system and retrofits to two 13-year old VFD systems from a different manufacturer.

Please feel free to call with any questions or comments.

Sincerely,



Mark O. Hinkle, PE  
Sturgill Engineering, PE



**FORMAL BID RECOMMENDATION  
REQUEST FOR COUNCIL APPROVAL**

DEPARTMENT: **Public Services**

COUNCIL AGENDA DATE: **Mar 20, 2017**

BID NO.: **38-022217** CONTRACT NO.:  DATE OPENED: **Feb 22, 2017**

**DESCRIPTION:**

**Waterview Pump Station VFD Improvements**

**PURPOSE:**

The City has budgeted for improvements to the Waterview Pump Station which consists of three (3) new Variable Frequency Drive (VFD) Systems.

**COMMENTS:**

The Waterview Pump Station has two existing VFD's that failed and need to be replaced. This contract would replace both of the existing VFD's, and add a third VFD for future pump installation. All VFD's will be identical systems to maintain compatibility and consistency during operation.

RECOMMEND AWARD TO: **East Coast Construction Services, LLC** AMOUNT: **\$239,850.00**

**JUSTIFICATION:**

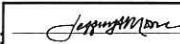
At the February 22nd re-bid opening, East Coast Construction Services, LLC was the low bidder of the two (2) qualified bidders that submitted a bid.

ACCOUNTING UNIT	ACCOUNT	ACTIVITY	CATEGORY	BUDGETED AMOUNT
421779	533701	421161027505	40202	\$500,000.00
TOTAL BUDGETED AMOUNT				

DEPARTMENT HEAD: **Terry Houk** Digitally signed by Terry Houk  
DN: cn=Terry Houk, o=City of High Point, ou=Public Services, email=terry.houk@highpointnc.gov, c=US  
Date: 2017.03.13 16:00:59 -0500 DATE: **Mar 11, 2017**

The Purchasing Division concurs with recommendation submitted by the **Public Services Dept.** and recommends award to the lowest responsible, responsive bidder **ECCS, LLC** in the amount of \$ **239,850.00**.

PURCHASING MANAGER: **Erik Conti** Digitally signed by Erik Conti  
DN: cn=Erik Conti, o, ou,  
email=erik.conti@highpointnc.gov, c=US  
Date: 2017.03.13 08:42:29 -0400 DATE: **Mar 13, 2017**

Approved for Submission to Council  
FINANCIAL SERVICES DIRECTOR:  Digitally signed by Jeffrey A. Moore  
DN: ou=Jeffrey A. Moore, o=City of High Point, NC,  
ou=Financial Services Director,  
email=jaffmoor@highpointnc.gov, c=US  
Date: 2017.03.13 15:57:27 -0400 DATE: **Mar 13, 2017**

CITY MANAGER: **Greg Demko** Digitally signed by Greg Demko  
DN: cn=Greg Demko, o=High Point, ou=High Point,  
email=greg.demko@highpointnc.gov, c=US  
Date: 2017.03.13 16:00:37 -0400 DATE: **Mar 13, 2017**

**Bid Tabulation**  
**Waterview Pump Station VFD Improvements**  
**Bid # 38-022217**

<b>Vendor</b>	<b>East Coast Construction Services, LLC</b>	<b>Page Power Systems, Inc.</b>	<b>NONE</b>
<b>Total Base Bid</b> (VFD Sys-3 & AHF)	\$122,127	\$117,605	
<b>Alternate B1</b> (Complete VFD Systems)	\$94,413	\$86,974	
<b>Alternate B2</b> (Replacement VFD Units)	\$64,379	\$62,829	
<b>Alternate B3</b> (Integration & Programming)	\$10,794	\$12,901	
<b>Alternate B4</b> (Surge Protection)	\$1,982	\$7,016	
<b>Alternate B5</b> (Thermal Blanket)	\$1,145	\$1,000	
<b>Alternate B6</b> (Bypass Pumping)	\$9,389	\$18,329	
<b>TOTAL #1:</b> Base+B1+B3+B4+B5+B6	<b>\$239,850</b>	\$243,825	
<b>TOTAL #2:</b> Base+B2+B3+B4+B5+B6	<b>\$209,816</b>	\$219,680	